

# JVC

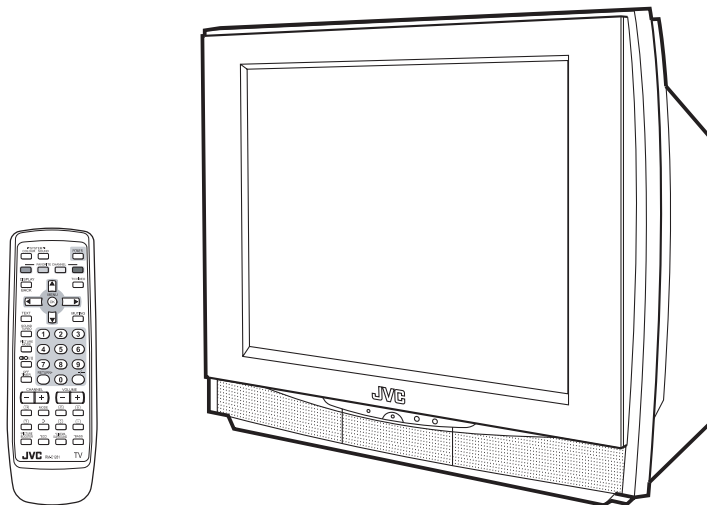
## SERVICE MANUAL

FLAT COLOUR TELEVISION

**AV-29J314/B,**  
**AV-29J534/B**

BASIC CHASSIS


CW



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# SPECIFICATION

Items		Contents	
		AV-29J314/B	AV-29J534/B
Dimensions (W × H × D)		73.1cm × 62.2cm × 49.45cm	
Mass		42kg	44.4kg
TV RF System		B, G	B, G, I, D, K, M
Colour System	TV Mode Video Mode	PAL / SECAM PAL / SECAM / NTSC3.58 / NTSC4.43	PAL / SECAM / NTSC3.58 / NTSC4.43 PAL / SECAM / NTSC3.58 / NTSC4.43
Stereo System		A2 (B / G) (Bilingual), Playback	A2 (B / G) / NICAM (B / G, I, D / K)
Receiving Frequency	VHF Low VHF High UHF CATV	46.25MHz ~ 168.25MHz (AU0 ~ S10) 175.25MHz ~ 463.25MHz (E5 ~ S41) 471.25MHz ~ 863.25MHz (E21 ~ CHINA 57) Mid : X ~ Z, S1 ~ S10 Super: S11 ~ S20 Hyper: S21 ~ S41	
Intermediate Frequency	VIF	38.0MHz	
	SIF	D/K: 31.5MHz (6.5MHz) I: 32.0MHz (6.0MHz) B/G: 32.5MHz (5.5MHz) [A2:32.26MHz (5.74MHz)]	D/K: 31.5MHz (6.5MHz) [NICAM:32.15MHz (5.85MHz)] I: 32.0MHz (6.0MHz) [NICAM:31.45MHz (6.55MHz)] B/G: 32.5MHz (5.5MHz) [A2:32.26MHz (5.74MHz)] [NICAM:32.15MHz (5.85MHz)] M: 33.5MHz (4.5MHz)
Colour Sub Carrier Frequency		4.43MHz (PAL) / 4.40MHz/4.25MHz (SECAM) / 3.58MHz/4.43MHz (NTSC)	
Aerial Input Terminal		75Ω unbalanced, coaxial	
Power Input		AC110V-AC240V, 50Hz / 60Hz (Operating Voltage AC90V ~ AC260V)	
Power Consumption		166W (Max.) / 109W (Avg.)	215W (Max.) / 130W (Avg.)
Picture Tube 		A68LZU185X 29-inch, aspect ratio 4:3, flat square face type, tinted	
Screen Size		Visible size :67.6cm (Diagonal) / 55.4cm × 41.4cm (H × V)	
High Voltage		32kV -1.5kV / +1.0kV (at zero beam current)	
Speaker		6.5cm × 13cm, oval type × 2	6.5cm × 13cm, Oval type × 2 13cm, round type × 1 (Bass blaster unit)
Audio Output		10W + 10W	7W + 7W + 13W
Video / Audio Input [1/2/3]	S-Video [1]	Mini-DIN 4 pin × 1 Y: 1V(p-p), positive (negative sync provided), 75Ω C: 0.286V(p-p) (Burst signal), 75Ω	
	Video [1/2/3]	1V(p-p), negative sync, 75Ω, RCA pin jack × 3	
	Audio [1/2/3]	500mV(rms) (-4dBs ), high impedance, RCA pin jack × 6	
	Component Video [2]	RCA pin jack × 3 Y:1V(p-p), positive (negative sync), 75Ω Cb/Cr:0.7V(p-p), 75Ω	
Video / Audio Output	Video Audio	1V(p-p), 75Ω, RCA pin jack × 1 500mV(rms)(-4dBs), Low impedance (400Hz when modulated 100%), RCA pin jack × 2	
Headphone		3.5mm stereo mini jack × 1	
Remote Control Unit		RM-C1281-2H (AA/R06/UM-3 battery × 2)	

Design & specifications are subject to change without notice.

# SECTION 1

## PRECAUTION

### 1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (  $\Delta$  ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**  
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (  $\perp$  ) side GND, the ISOLATED (NEUTRAL) : (  $\equiv$  ) side GND and EARTH : (  $\oplus$  ) side GND.  
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k $\Omega$  2W resistor to the anode button.

- (8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

- (9) **Isolation Check (Safety for Electrical Shock Hazard)**  
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

#### a) Dielectric Strength Test

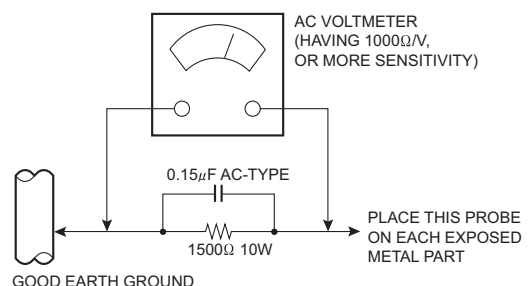
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. ( . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

#### b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

#### Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## SECTION 2

### SPECIFIC SERVICE INSTRUCTIONS

#### 2.1 FEATURES

- New chassis design enables use of an interactive on-screen control.
- Pure flat CRT produces fine textured picture in every detail.
- Wide range voltage (110V ~ 240V) for AC power input.
- With AUDIO/VIDEO/S-VIDEO/COMPONENT input terminals.
- I<sup>2</sup>C bus control utilizes single chip ICs.
- By means of AUTO PROGRAM, the TV stations can be selected automatically and the TV channels can also be rearranged automatically.
- Built-in DIGITAL ECO MODE (ECONOMY, ECOLOGY).  
In accordance with the brightness in a room, the brightness and/or contrast of the picture can be adjusted automatically to make the optimum picture which is easy on the eye.
- Built-in OFF TIMER & RETURN +.

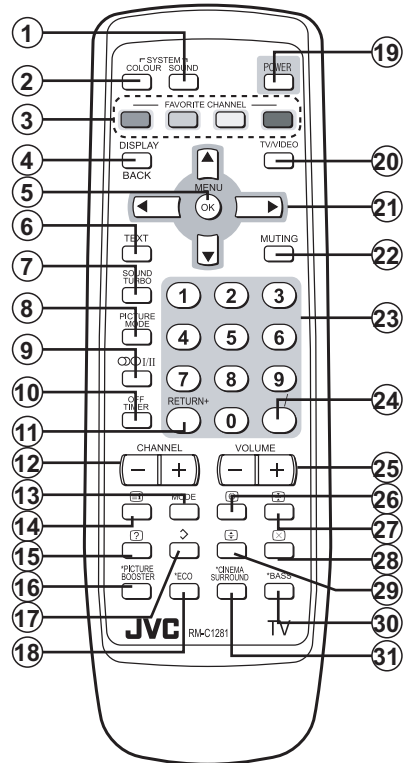
#### 2.2 MAIN DIFFERENCE LIST

△	Items	AV-29J314/B	AV-29J534/B
	TV RF SYSTEM	B, G	B, G, I, D, K, M
	COLOUR SYSTEM	PAL / SECAM	PAL / SECAM / NTSC
	STEREO SYSTEM	A2 (Bilingual)	A2 / NICAM
	BASS BLASTER	None	BASS BLASTER UNIT
	AUDIO OUTPUT	10W + 10W	7W + 7W + 13W
	POWER CONSUMPTION	166W (Max.) / 109W (Avg.)	215W (Max.) / 130W (Avg.)

## 2.3 FUNCTIONS

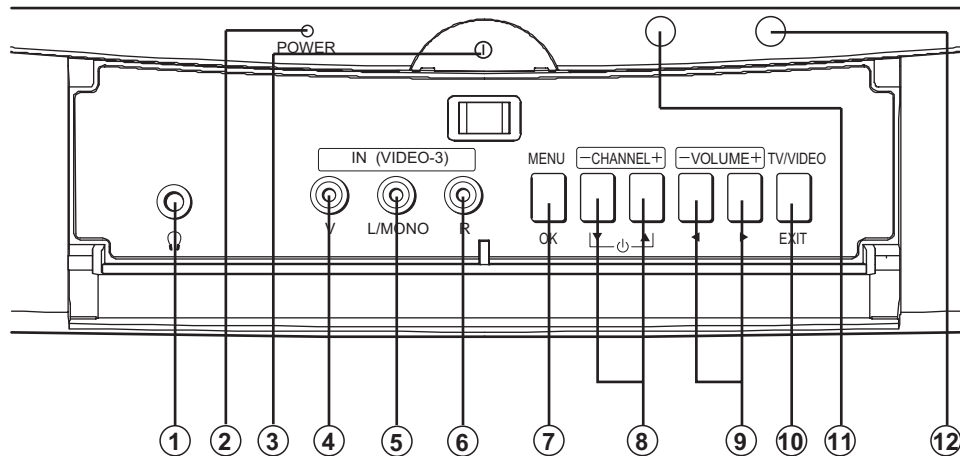
### ■ REMOTE CONTROL UNIT

#### RM-C1281-2H



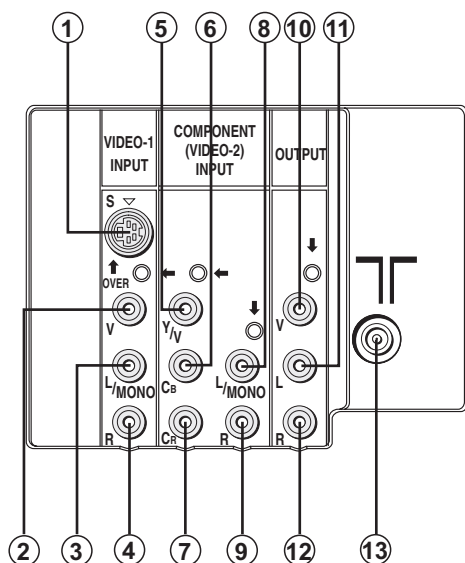
- |                          |                          |
|--------------------------|--------------------------|
| ① SOUND SYSTEM key       | ⑬ Not used               |
| ② COLOUR SYSTEM key      | ⑭ Not used               |
| ③ FAVORITE CHANNEL keys  | ⑮ Not used               |
| ④ DISPLAY BACK key       | ⑯ Not used               |
| ⑤ MENU (OK) key          | ⑰ Not used               |
| ⑥ Not used               | ⑱ Not used               |
| ⑦ SOUND TURBO key        | ⑲ POWER key              |
| ⑧ PICTURE MODE key       | ⑳ TV / VIDEO key         |
| ⑨ SOUND setting key      | ㉑ MENU (▲/▼, ◀/▶) keys   |
| ⑩ OFF TIMER key          | ㉒ MUTING key             |
| ⑪ RETURN + key           | ㉓ Number keys            |
| ⑫ CHANNEL (-/+) keys     | ㉔ -/-- key               |
| ⑬ Not used               | ㉕ VOLUME (-/+) keys      |
| ⑭ Not used               | ㉖ Not used               |
| ⑮ Not used               | ㉗ Not used               |
| ⑯ Not used               | ㉘ Not used               |
| ⑰ Not used               | ㉙ Not used               |
| ⑱ Not used               | ㉚ BASS key [AV-29J534/B] |
| ⑲ POWER key              | ㉛ CINEMA SURROUND key    |
| ⑳ TV / VIDEO key         |                          |
| ㉑ MENU (▲/▼, ◀/▶) keys   |                          |
| ㉒ MUTING key             |                          |
| ㉓ Number keys            |                          |
| ㉔ -/-- key               |                          |
| ㉕ VOLUME (-/+) keys      |                          |
| ㉖ Not used               |                          |
| ㉗ Not used               |                          |
| ㉘ Not used               |                          |
| ㉙ Not used               |                          |
| ㉚ BASS key [AV-29J534/B] |                          |
| ㉛ CINEMA SURROUND key    |                          |

### ■ FRONT PANEL CONTROLS



- |                                 |                         |
|---------------------------------|-------------------------|
| ① HEADPHONE jack                | ⑦ MENU (OK) button      |
| ② POWER lamp                    | ⑧ CHANNEL (-/+) buttons |
| ③ MAIN POWER button             | ⑨ VOLUME (-/+) buttons  |
| ④ IN (VIDEO-3) : VIDEO          | ⑩ TV/VIDEO EXIT button  |
| ⑤ IN (VIDEO-3) : AUDIO L / MONO | ⑪ ECO sensor            |
| ⑥ IN (VIDEO-3) : AUDIO R        | ⑫ Remote control sensor |

■ REAR TERMINAL  
[AV-29J314/B]



VIDEO-1 INPUT TERMINAL

- ① S-VIDEO
- ② VIDEO
- ③ AUDIO L/MONO
- ④ AUDIO R

COMPONENT (VIDEO-2) INPUT TERMINAL

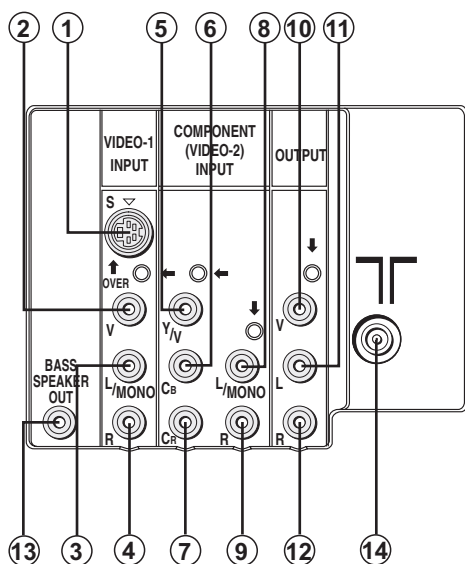
- ⑤ Y/VIDEO
- ⑥ C<sub>B</sub>
- ⑦ C<sub>R</sub>
- ⑧ AUDIO L/MONO
- ⑨ AUDIO R

OUTPUT TERMINAL

- ⑩ VIDEO
- ⑪ AUDIO L
- ⑫ AUDIO R

- ⑬ Aerial input terminal

[AV-29J534/B]



VIDEO-1 INPUT TERMINAL

- ① S-VIDEO
- ② VIDEO
- ③ AUDIO L/MONO
- ④ AUDIO R

COMPONENT (VIDEO-2) INPUT TERMINAL

- ⑤ Y/VIDEO
- ⑥ C<sub>B</sub>
- ⑦ C<sub>R</sub>
- ⑧ AUDIO L/MONO
- ⑨ AUDIO R

OUTPUT TERMINAL

- ⑩ VIDEO
- ⑪ AUDIO L
- ⑫ AUDIO R

BASS BLASTER UNIT OUTPUT TERMINAL

- ⑬ BASS SPEAKER OUT

- ⑭ Aerial input terminal

## 2.4 MAIN CPU [MAIN PWB : IC701] PIN FUNCTION

Pin no.	Pin name	I/O	Remark
1	VssP2	-	GND
2	VssC4	-	GND
3	V1.8C4	I	1.8V (Digital)
4	V3.3A3	I	3.3V
5	VrefP_Sdac	I	3.3V (Positive)
6	VrefN_Sdac	-	GND
7	VrefP_Sdac	I	3.3V (Negative)
8	VrefN_Sdac	-	GND
9	VrefP_Sdac	I	3.3V (Positive)
10	XtalIn	I	24.567MHz for system clock
11	XtalOut	O	24.567MHz for system clock
12	VssA1	-	GND
13	NECK	I	V-guard input/ I/O switch
14	CONT	I	1.8V regulator control
15	V5P1	I	+5V
16	Ph2	-	Phase-2 filter
17	Ph1	-	Phase-1 filter
18	Gnd1	-	GND
19	SecPll	-	SECAM PLL decoupling
20	Dec8G	-	Bandgap decoupling
21	EW	O	East-West drive output
22	VDRB-	O	Vertical drive B output
23	VDRA+	O	Vertical drive A output
24	Vif1	I	Video IF input 1
25	Vif2	I	Video IF input 2
26	Vsc	-	Vertical sawtooth capacitor
27	Iref	I	Reference current input
28	GndIF	-	GND
29	Sif1	I	Sound IF input 1
30	Sif2	I	Sound IF input 2
31	AGC	O	Tuner AGC output
32	EHT	I	EHT/overvoltage protection input
33	Ssif/RefIn/Avl/RefOut	O	Automatic Volume Levelling/ sound IF input / subcarrier reference output / external reference signal input for I signal mixer for DVB operation
34	L3	I	Audio-L3 input (left signal)
35	R3	I	Audio-R3 input (right signal)
36	L_OUT	O	Audio L output
37	R_OUT	O	Audio R output
38	DecsDem	-	Decoupling sound demodulator
39	QssO/AmO/AudeEm	O	QSS intercarrier output / AM output / deemphasis / (front-end audio out)
40	Gnd2	-	GND
41	PllIf	-	IF-PLL loop filter
42	SifAgc	-	AGC sound IF
43	IfVo/FmRo/DvbO	O	Not used
44	NC	O	Not used
45	V8AudioSwitches	I	8V
46	AgcSsif	-	AGC capacitor second sound IF
47	V5P2	I	5V
48	V_OUT	O	Video output
49	L1	I	Audio-L1 input
50	R1	I	Audio-R1 input
51	V3	I	Video V3 input
52	C4	I	Not used
53	Audio2InL	I	Not used
54	Audio2InR	I	Not used
55	V2/Y	I	Video 2 input
56	L2	I	Audio L2 input (Left signal)
57	R2	I	Audio R2 input (right signal)
58	Y3/Cvbs	I	S-Video Y1 input
59	C1	I	S-Video C1 input
60	AudioLsL	O	Audio L output for audio power amplifier
61	AudioLsR	O	Audio R output for audio power amplifier
62	HP_L	O	Headphone L
63	HP_R	O	Headphone R

Pin no.	Pin name	I/O	Remark
64	CVBSO/PIP	O	CVBS / PIP output
65	SVM	O	Scan velocity modulation output
66	FbiSo	I	Flyback input/sandcastle output
67	Hout	O	Horizontal output
68	VssComb	-	GND
69	V5Comb	I	5V
70	Vin/R2/Pr	I	PIP R input
71	Uin/B2/Pb	I	PIP B input
72	Yin/G2/Y	I	PIP G input
73	Ysync	I	Not used
74	Yout	O	Not used
75	Uout/INSSW2	I	YUV insertion input
76	NC	O	Not used
77	INSSW3	I	YUV insertion input
78	R3/Pr	I	Component PR input (Video-2)
79	G3/Y	I	Component Y input (Video-2)
80	B3/Pb	I	Component PB input (Video-2)
81	Gnd3	-	GND
82	V5P3	I	5V
83	BCL	I	Beam current limiter input
84	BLKIN	I	Black current input
85	Rout	O	R output
86	Gout	O	G output
87	Bout	O	B output
88	V3.3A1	I	3.3V
89	RefAdN	-	GND
90	V3.3RefAdP	I	3.3V (Positive)
91	RefAd	I	3.3/2V
92	GndA	-	GND
93	V1.8A	I	1.8V
94	V3.3A2	I	3.3V
95	VssADC	-	GND
96	V1.8ADC	I	1.8V
97	REMOTE	I	Remote control
98	PW_LED	I	POWER LED control
99	P11/TO	I	POWER LED control
100	V1.8C2	I	1.8V
101	VssC2	-	GND
102	COMPONENT-PIP	-	Not used
103	COMB_SW_NT3.5/OTHER	-	Not used
104	VER_PROTECT	O	X-ray protect
105	S_REDUCE	O	Sound control
106	P00/I2SDI1	O	Not used
107	POWER	O	SUB POWER control
108	SCL1	I	I2C bus clock
109	SDA1	I/O	I2C bus clock
110	V3.3P	I	3.3V
111	ROTATION	O	ROTATION
112	3.58/OTHER	O	NTSC 3.58 detection
113	A_MUTE	O	Audio muting
114	4.5/OTHER	O	NTSC 4.43 detection
115	PROT	I	Protect
116	ECO_IN	I	ECO sensor level detection
117	V1.8C1	I	1.8V (Digital)
118	DecV1V8	I	1.8V
119	KEY_IN	I	Key scan data
120	VDO_DET	I	Video DET input
121	VSSC1+P1	-	Digital GND
122	P24/PWM3	I	S-Video DET input
123	P25/PWM4	O	GTVA_reset
124	V1.8C3	I	1.8V (Digital)
125	VssC3	-	GND
126	P12/Int2	I	External interrupt
127	SDA0	I/O	I2C bus data (for memory)
128	SCL0	I	I2C bus clock (for memory)

## SECTION 3 DISASSEMBLY

### 3.1 DISASSEMBLY PROCEDURE

#### 3.1.1 REMOVING THE TWIN PORT BASS BLASTER UNIT [AV-29J534/B]

- Unplug the power supply cord.
  - (1) Disconnect the TWIN PORT BASS BLASTER UNIT's cord from the rear of the TV set.
  - (2) Remove the TWIN PORT BASS BLASTER UNIT by pulling it upwards.

#### NOTE:

After removing the TWIN PORT BASS BLASTER UNIT, proceed to the following procedure.

#### 3.1.2 REMOVING THE REAR COVER

- Unplug the power cord.
  - (1) Remove the 16 screws [A] as shown in Fig.1.
  - (2) Withdraw the REAR COVER toward you.

#### CAUTION:

When reinstalling the rear cover, carefully push it inward after inserting the MAIN PWB into the REAR COVER groove.

#### 3.1.3 REMOVING THE CHASSIS (CHASSIS BASE AND CONTROL BASE)

- Remove the REAR COVER.
  - (1) Slightly raise the both sides of the CHASSIS by hand and remove the 2 claws [B] under the CHASSIS from the front cabinet as shown in Fig.1.
  - (2) Withdraw the CHASSIS backward.  
(If necessary, take off the wire clamp, connectors etc.)

#### NOTE:

When conducting a check with power supplied, be sure to confirm that the CRT earth wire is connected to the CRT SOCKET PWB and the MAIN PWB.

#### 3.1.4 REMOVING THE AV TERMINAL BOARD

- Remove the REAR COVER.
  - (1) Remove the 4 screws [C] as shown in Fig.1.
  - (2) When you pull out the AV TERMINAL BOARD in the direction of arrow [D] as shown in Fig.1, it can be removed.

#### 3.1.5 REMOVING THE CONTROL BASE

- Remove the REAR COVER.
- Remove the CHASSIS.
  - (1) While pushing down the 2 claws [E] as shown in Fig. 2 and pull out the CONTROL BASE in the direction of arrow [F] as shown in Fig. 2, the control base can be removed.  
(If necessary, take off the wire, connectors etc.)

#### 3.1.6 REMOVING THE SPEAKER

- Remove the REAR COVER.
  - (1) Remove the 2 screws [G], and remove the SPEAKER HOLDER.
  - (2) Remove the 4 screws [H] as shown in Fig.1.
  - (3) Withdraw the SPEAKER backward.
  - (4) Follow the same steps when removing the other hand SPEAKER.

#### 3.1.7 CHECKING THE MAIN PW BOARD

- To check the back side of the MAIN PWB.
  - (1) Pull out the CHASSIS and CONTROL BASE. (Refer to the procedure described in REMOVING THE CHASSIS)
  - (2) Put the CHASSIS in upright position with the MAIN PWB's solderside faced to the right. The FBT must be positioned on top. (Viewed from the rear)
  - (3) Put the CONTROL PWBs in an appropriate position, taking care not giving tension to the ribbon cables that connect to the MAIN PWB.

#### CAUTIONS:

- Use insulating materials, if necessary, to avoid possible electrical contacts between PWBs and expose terminals, etc.
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.
- When repairing, connect the DEG. COIL to the DEG. connector on the MAIN PWB.

#### 3.1.8 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together.  
Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



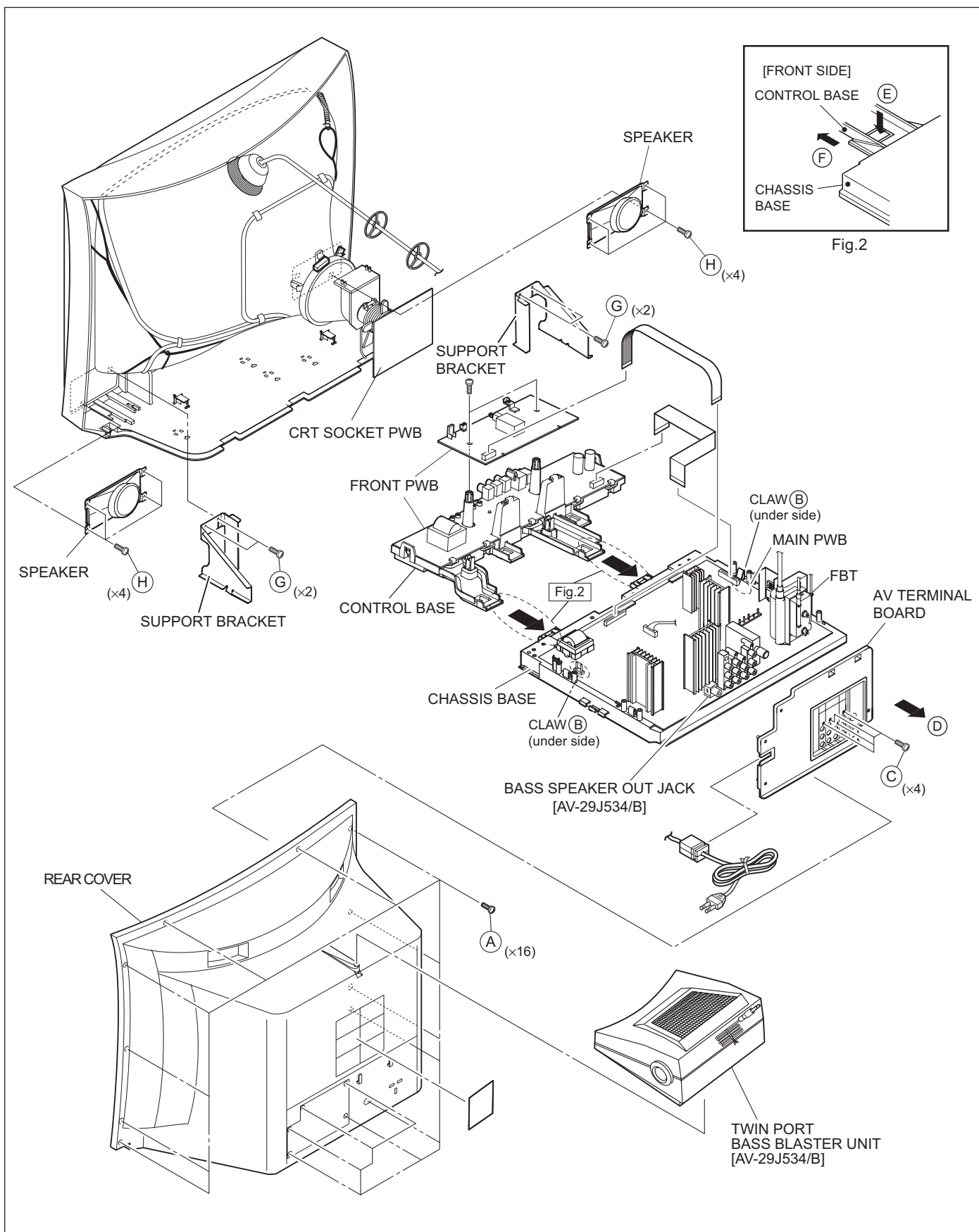


Fig.1

3.2 REPLACEMENT OF MEMORY IC

3.2.1 MEMORY IC

This TV uses the following memory IC.

Memory IC: IC702 on MAIN PWB

The memory IC memorizes data for correctly operating the video and deflection circuits. When replacing the memory IC, be sure to use the same type IC written with the initial values of data. In other words, use the specific IC listed in "PRINTED WIRING BOARD PARTS LIST". For its mounting location, refer to "ADJUSTMENT LOCATIONS".

3.2.2 PROCEDURE FOR REPLACING MEMORY IC

1. Power off

Switch the power off and unplug the power cord from the wall outlet.

2. Replacing the memory IC

Replace the memory IC with new one. Be sure to use the memory IC written with the initial data values.

3. Power on

Plug the power cord into the wall outlet and switch the power on.

4. Check and setting of SYSTEM CONSTANT SET:

- (1) Press the [DISPLAY] key and the [PICTURE MODE] key on the remote control unit simultaneously.  
The SERVICE MENU screen will be displayed.(See Fig.1.)
- (2) In the SERVICE MENU, press the [DISPLAY] key and [PICTURE MODE] key simultaneously. Then, the SYSTEM CONSTANT SET screen will be displayed.(See Fig.2.)
- (3) Check whether the setting values of the SYSTEM CONSTANT SET are the same as those indicated in Table 1.  
If the value is different, select the setting item with the MENU [▲] / [▼] key, and set the correct value with the MENU [◀] / [▶] key.
- (4) Press the [DISPLAY] key twice to return to the normal screen.

5. Receive channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (channels preset).

6. User setting

Check the user setting values in Table 2 and Table 3. If setting value is different, set the correct value.  
For setting, refer to the OPERATING INSTRUCTIONS.

7. Setting of SERVICE MENU

Verify the setting for each setting item in the SERVICE MENU.(See Table 4.) If readjustment is necessary, perform adjustment referring to "ADJUSTMENTS PROCEDURE".

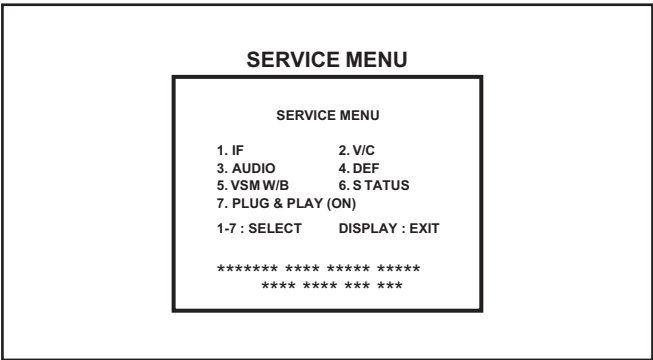


Fig.1

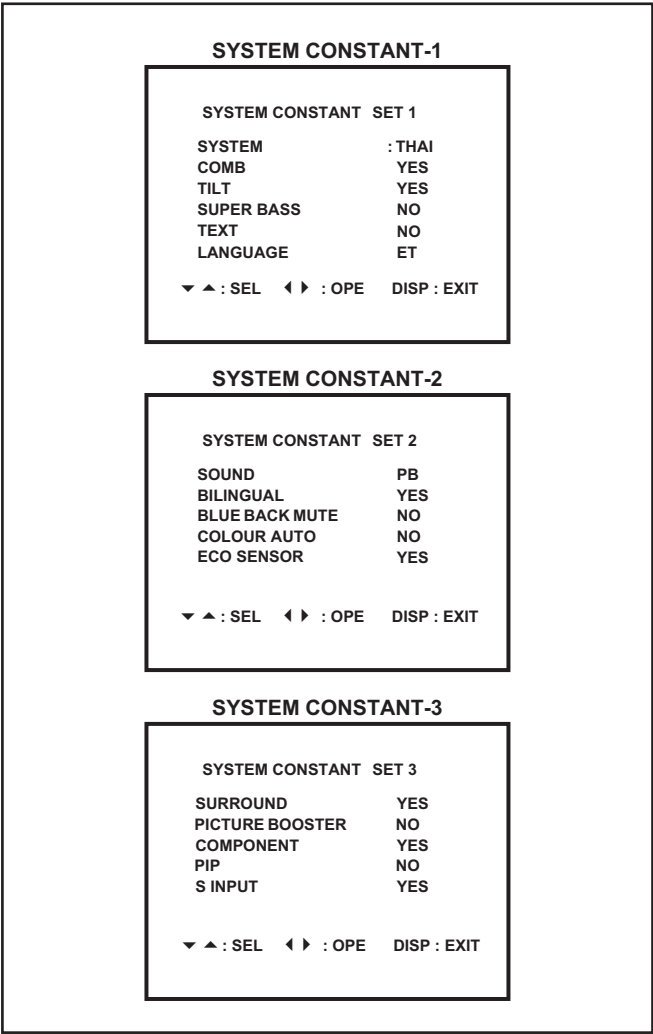
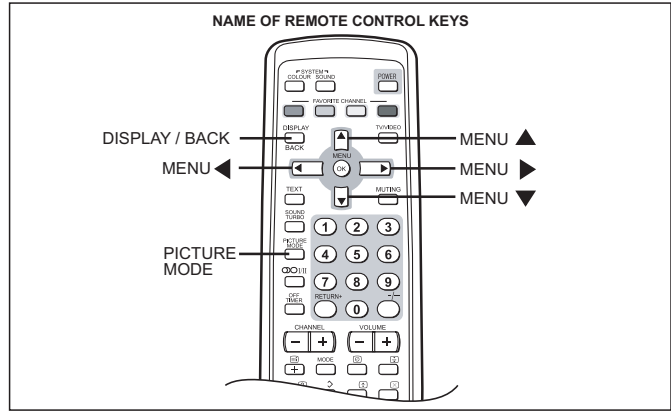


Fig.2



### 3.2.3 FACTORY SETTING VALUE

#### ■ SETTING OF SYSTEM CONSTANT SET

Setting item	Setting content	Setting value	
		AV-29J314/B	AV-29J534/B
SYSTEM	→ MULTI ↔ TRIPLE ↔ PAL ↔ THAI ←	THAI	MULTI
COMB	→ YES ↔ NO ←	YES	←
TILT	→ YES ↔ NO ←	YES	←
SUPER BASS	→ YES ↔ NO ←	NO	YES
TEXT	→ SINGLE ↔ NO ↔ PAT ←	NO	←
LANGUAGE	E/T	E/T	←
SOUND	→ STEREO ↔ PB ↔ MONO ←	PB	STEREO
BILINGUAL	→ YES ↔ NO ←	YES	NO
BLUE BACK MUTE	→ YES ↔ NO ←	NO	←
COLOUR AUTO	→ YES ↔ NO ←	NO	←
ECO SENSOR	→ YES ↔ NO ←	YES	←
SURROUND	→ YES ↔ NO ←	YES	←
PICTURE BOOSTER	→ YES ↔ NO ←	NO	←
COMPONENT	→ YES ↔ NO ←	YES	←
PIP	→ YES ↔ NO ←	NO	←
S INPUT	→ YES ↔ NO ←	YES	←

Table 1

## ■ SETTING OF BASIC FUNCTIONS

Setting item	Setting value
POWER	Off
SUB POWER	On
VOLUME	15
COLOR SYSTEM	PAL
SOUND SYSTEM	B/G
PICTURE MODE (VSM)	BRIGHT
CINEMA SURROUND	OFF
SUPER BASS	ON [AV-29J534/B]
OFF TIMER	OFF
STEREO MODE	STEREO [AV-29J534/B]
BILINGUAL MODE	I [AV-29J314/B]
CHANNEL POSITION	PR01

Table 2

## ■ SETTING OF MENU SCREEN

Setting item	Setting value
INPUT	TV
VNR	AUTO
COMPRESS (16:9)	OFF
PICTURE TILT	◆
AUTO SHUTOFF	OFF
CHILD LOCK	OFF
BLUE BACK	ON
VIDEO-2 SET	VIDEO
AUTO PROGRAM	Refer to OPERATING INSTRUCTIONS
EDIT / MANUAL	Refer to OPERATING INSTRUCTIONS
LANGUAGE	THAI
WHITE BALANCE	COOL
TINT	Centre
COLOUR	Centre
BRIGHT	Centre
CONT	Maximum
SHARP	Centre
BALANCE	Centre
SOUND MODE	DYNAMIC
SOUND TURBO	OFF
AI VOLUME	ON
FAVORITE CH RED	PR01
FAVORITE CH GREEN	PR02
FAVORITE CH YELLOW	PR03
FAVORITE CH BLUE	PR04
AI ECO SENSOR	OFF
AI ECO DISPLAY	ON

Table 3

## ■ SERVICE MENU SETTING ITEMS

Setting item	Setting value
1. IF	1. VCO 2. DELAY POINT
2. V/C	1. SCREEN 2. CUTOFF(B/G) 3. WDR(R/G/B) 4. BRIGHT(TV/VDO 1/2/3) 5. CONT(TV/VDO 1/2/3/TV 16:9/VDO 16:9) 6. COLOUR(TV/VDO 1/2/3/DVD) 7. TINT(TV/VDO 1/2/3) 8. SHARP [Do not adjust] 9. Y DELAY [Do not adjust] 10. TINT DVD [Do not adjust] 11. AMP T. SHARP
3. AUDIO [Do not adjust]	1. DCXO ADJ 2. NICAM lower ERR LIM 3. NICAM upper ERR LIM 4. A2 ID THR 5. MENU EQUALIZER
4. DEF	1. V-SHIFT 2. V-SLOPE 3. V-SIZE 4. H-CENT 5. H-SIZE 6. TRAPEZ 7. EW-PIN 8. COR-UP 9. COR-LO 10. ANGLE 11. BOW 12. V-S.CR 13. V-LIN 14. V-ZOOM 15. V-SCROLL
5. VSM W/B (BRIGHT/STANDARD/SOFT)  (COOL/WARM/NORMAL)	1. BRIGHT 2. CONT 3. COLOUR 4. SHARP 5. HUE 1. R DRIVE 2. G DRIVE 3. B DRIVE
6. STATUS [Display only]	
7. PLUG & PLAY(ON) [Display only]	

Table 4

### 3.3 REPLACEMENT OF CHIP COMPONENT

#### 3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

#### 3.3.2 SOLDERING IRON

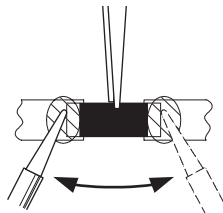
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

#### 3.3.3 REPLACEMENT STEPS

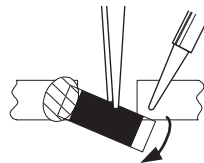
##### 1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

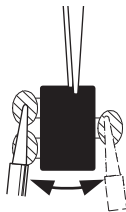


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



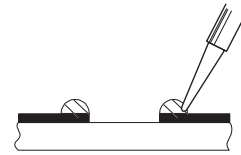
#### NOTE :

After removing the part, remove remaining solder from the pattern.

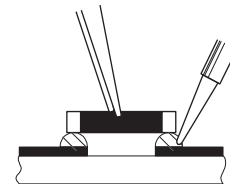
##### 2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

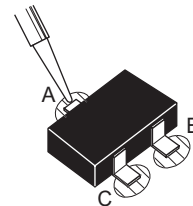


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

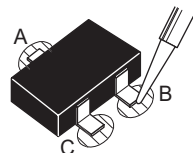


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



## SECTION 4

### ADJUSTMENT

#### 4.1 ADJUSTMENT PREPARATION

- (1) You can make the necessary adjustments for this unit with either the remote control unit or with the adjustment equipment and parts as given below.
- (2) Adjustment with the remote control unit is made on the basis of the initial setting values, however, the new setting values used for setting the screen to its optimum condition may differ from the initial settings.
- (3) Make sure that AC power is turned on correctly.
- (4) Turn on the power for the set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
- (5) Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
- (6) Never touch any adjustment parts, which are not specified in the list for this variable resistors, transformers, trimmer capacitors, etc.

#### 4.2 PRESETTING BEFORE ADJUSTMENT

Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

##### ■ User mode setting position

Setting item	Setting value
PICTURE MODE (VSM)	BRIGHT
TINT, COLOUR, BRIGHT, SHARP	Centre
CONT	Maximum
VNR	OFF
AI ECO SENSOR	OFF
BALANCE	Centre
SOUND TURBO	OFF
CINEMA SURROUND	OFF
COMPRESS	4:3

#### 4.3 MEASURING INSTRUMENT AND FIXTURES

- (1) DC voltmeter (or Digital voltmeter)
- (2) Oscilloscope
- (3) Signal generator (Pattern generator) [PAL/SECAM/NTSC]
- (4) Remote control unit

#### 4.4 ADJUSTMENT ITEMS

##### ■ B1 VOLTAGE

##### ■ FOCUS ADJUSTMENT

##### ■ IF CIRCUIT ADJUSTMENTS

- IF VCO adjustment
- DELAY POINT (AGC TAKE-OVER) adjustment

##### ■ VIDEO CIRCUIT ADJUSTMENTS

- WHITE BALANCE (Low light) adjustment
- WHITE BALANCE (High light) adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOUR 1 adjustment
- SUB COLOUR 2 adjustment
- SUB TINT 1 adjustment
- SUB TINT 2 adjustment

##### ■ AUDIO SETTING

##### ■ DEFLECTION CIRCUIT ADJUSTMENTS

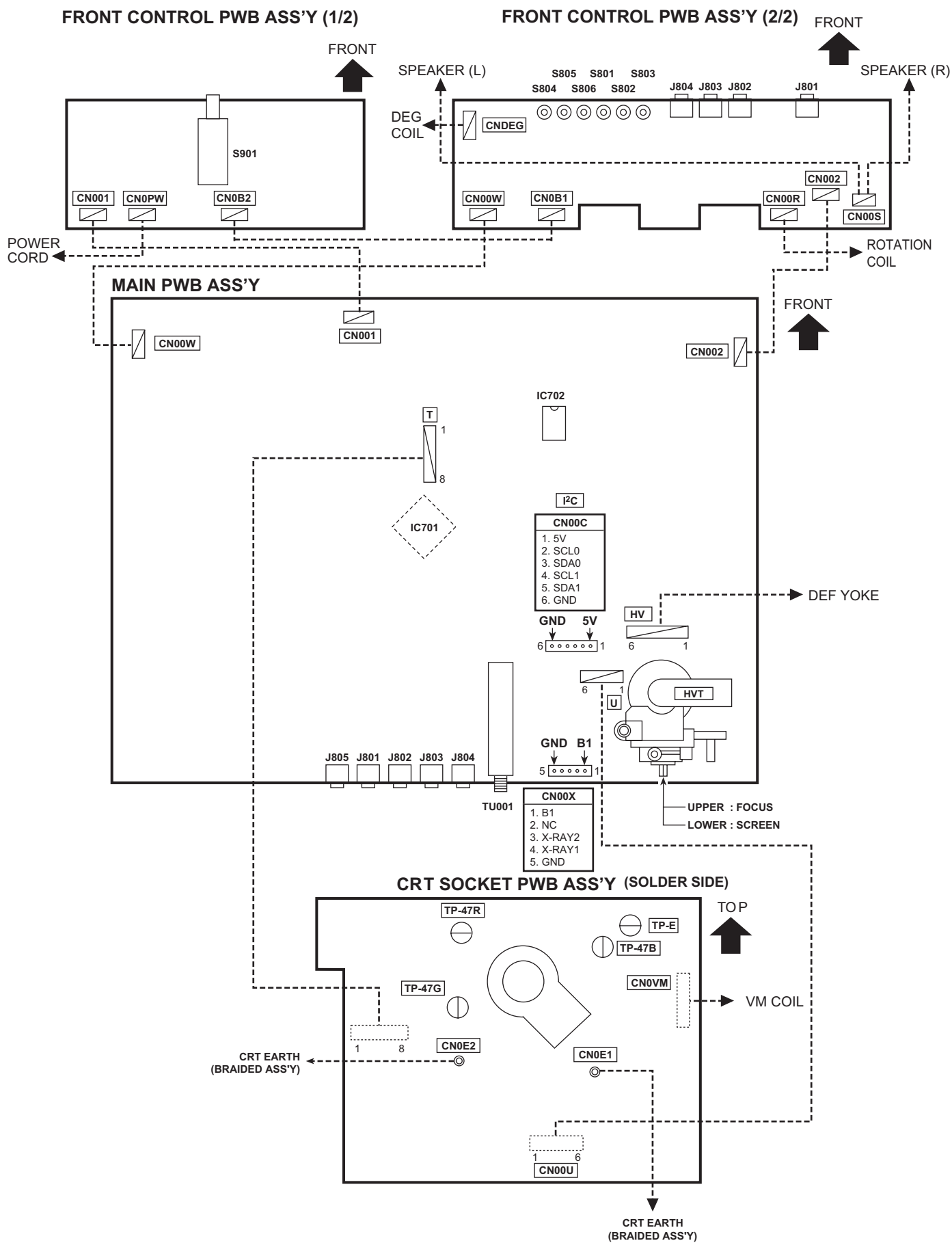
- V.SLOPE adjustment
- V.POSITION adjustment
- V.HEIGHT adjustment
- H.POSITION adjustment
- H. WIDTH adjustment
- SIDE PIN adjustment
- TRAPEZIUM adjustment
- V.S-CURVE adjustment
- CORNER adjustment
- H. PARALLEL adjustment
- H.BOW adjustment

##### ■ VSM PRESET SETTING

##### ■ PURITY AND CONVERGENCE ADJUSTMENTS

- PURITY adjustment
- STATIC CONVERGENCE adjustment
- DYNAMIC CONVERGENCE adjustment

## 4.5 ADJUSTMENT LOCATIONS



## 4.6 BASIC OPERATION IN SERVICE MENU

Operate the SERVICE MENU with the remote control unit.

### 4.6.1 SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings:

1. IF	For entering/adjusting the setting values (adjustment values) of the IF circuit.
2. V/C	For entering/adjusting the setting values (adjustment values) of the VIDEO circuit.
3. AUDIO	For entering/adjusting the setting values (adjustment values) of the AUDIO circuit.
4. DEF	For entering/adjusting the setting values (adjustment values) of the DEFLECTION circuit.
5. VSM W/B	For setting the values of STANDARD, SOFT, BRIGHT and COOL, NORMAL, WARM.
6. STATUS	This is not used for service.
7. PLUG & PLAY (ON)	This is not used for service.

### 4.6.2 BASIC OPERATION IN SERVICE MENU

#### 1. HOW TO ENTER SERVICE MENU

Press the [DISPLAY] key and the [PICTURE MODE] key on the remote control unit simultaneously.

The SERVICE MENU screen will be displayed. (See Fig. 1 on the next page.)

#### 2. SELECTION OF SUB MENU SCREEN

Press one of the keys 1 to 6 on the remote control unit, and select the SUB MENU SCREEN from the SERVICE MENU. (See Fig. 1 on the next page.)

SERVICE MENU → SUB MENU

- |          |                     |
|----------|---------------------|
| 1. IF    | 5. VSM W/B          |
| 2. V/C   | 6. STATUS           |
| 3. AUDIO | 7. PLUG & PLAY (ON) |
| 4. DEF   |                     |

#### 3. METHOD OF SETTING

##### NOTES:

- Once the setting values are set, they are memorized automatically.
- It must not be adjusted without inputting a signal.

##### (1) 1. IF

[1.VCO] : Under normal conditions, no adjustment is required.

(a) [1] key	Select <b>1. IF</b> .
(b) [1] key	Select <b>1. VCO</b> .
(c) [DISPLAY] key	When this is pressed twice, you will return to the SERVICE MENU.

[2.DELAY POINT]

(a) [1] key	Select <b>1. IF</b> .
(b) [2] key	Select <b>2. DELAY POINT</b> .
(c) MENU [◀] / [▶] key	Adjust the setting value.
(d) [DISPLAY] key	When this is pressed twice, you will return to the SERVICE MENU.

##### (2) 2. V/C, 3. AUDIO and 4. DEF

(a) [2] ~ [4] keys	Select one from <b>2. V/C</b> , <b>3. AUDIO</b> and <b>4. DEF</b>
(b) MENU [▲] / [▼] key	Select setting items.
(c) MENU [◀] / [▶] key	Adjust the setting values of the setting items. Use the number keys on the remote control unit for setting the WHITE BALANCE. For the setting, refer to each item concerned.
(d) [DISPLAY] key	When this is pressed, you will return to the SERVICE MENU.

##### (3) 5. VSM W/B

(a) [5] keys	Select <b>5. VSM W/B</b> .
(b) MENU [OK] key	Select preset items.
(c) MENU [▲] / [▼] key	Adjust setting items.
(d) MENU [◀] / [▶] key	Adjust the setting values of the setting items.
(e) [DISPLAY] key	When this is pressed, you will return to the SERVICE MENU.

##### (4) 6. STATUS

This is for display only.

##### (5) 7. PLUG & PLAY (ON)

This is not used for service.

#### 4. Release of SERVICE MENU

After completing the setting, return to the SERVICE MENU by pressing the [DISPLAY] key, then again press the [DISPLAY] key to return to the normal screen.



#### 4.6.3 SERVICE MENU FLOW CHART

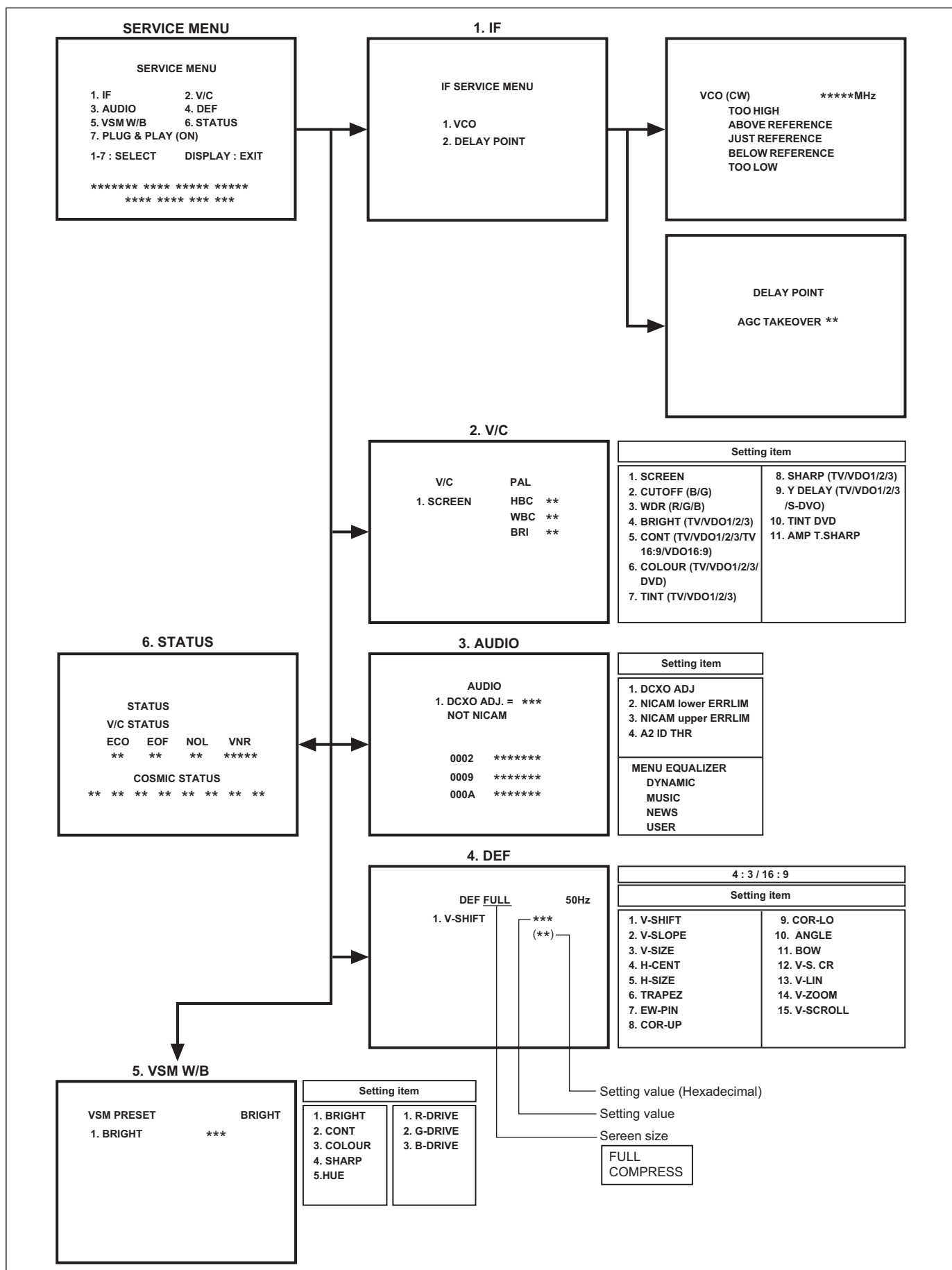


Fig.1

## 4.7 ADJUSTMENT PROCEDURE

### 4.7.1 B1 VOLTAGE

Item	Measuring instrument	Test point	Adjustment part	Description
<b>B1 VOLTAGE check</b>	Signal generator  DC voltmeter	B1 (pin 1) GND (pin 5) [CN00X connector in MAIN PWB]		(1) Receive a black and white signal. (2) Connect a DC voltmeter between B1 and GND (between pins 1 and 5 of the connector CN00X). (3) Make sure that the voltage is <b>DC134.5V ± 2V</b> .

### 4.7.2 FOCUS ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
<b>FOCUS adjustment</b>	Signal generator		FOCUS VR [In HVT]	<b>Notes:</b> <ul style="list-style-type: none"> <li>Set PICTURE MODE (VSM) to "BRIGHT".</li> <li>The final adjustment of CONVERGENCE must be done after the FOCUS adjustment. (CONVERGENCE is affected by the FOCUS adjustment.)</li> </ul> If any deviation in CONVERGENCE is found, PURITY must be adjusted to restore the convergence. <ol style="list-style-type: none"> <li>Receive a crosshatch signal.</li> <li>Adjust the <b>FOCUS VR</b> so that the vertical and horizontal lines will be clear and in fine detail on the screen.</li> <li>Make sure that the picture is in focus even when the screen gets darkened.</li> </ol>

### 4.7.3 IF CIRCUIT ADJUSTMENTS

Item	Measuring instrument	Test point	Adjustment part	Description																										
IF VCO check	Remote control unit		[1. IF] 1. VCO (CW)	<b>Note:</b> <ul style="list-style-type: none"><li>Under normal conditions, no adjustment is required.</li></ul> <ol style="list-style-type: none"><li>Receive a broadcast signal.</li><li>Select <b>1. IF</b> from the SERVICE MENU.</li><li>Select <b>1. VCO</b>.</li><li>Check the characters colour of the <b>JUST REFERENCE</b> displayed to <b>yellow</b>.</li><li>Press the [DISPLAY] key three times to return to normal screen.</li></ol>																										
<div><div><div>VCO (CW) ***.*** MHz</div><div>TOO HIGH ABOVE REFERENCE JUST REFERENCE BELOW REFERENCE TOO LOW</div><div>DISPLAY : EXIT</div></div><div>Receiving frequency</div><div>YELLOW</div></div>																														
DELAY POINT (AGC TAKE-OVER) adjustment	Remote control unit		[1. IF] 2. DELAY POINT	<ol style="list-style-type: none"><li>Receive a black and white broadcast signal (colour off).</li><li>Select <b>1. IF</b> from the SERVICE MENU.</li><li>Select <b>2. DELAY POINT</b>.</li><li>Adjust in order to eliminate any noise or beat from the image. Any increase above the initial value produces the noise and any decrease below it produces the beat.</li><li>Press the [DISPLAY] key three times to return to the normal screen.</li><li>Turn to other channels and make sure that there are no irregularities.</li></ol>																										
<div><div>[AV-29J314/B]</div><table><tr><th rowspan="2">Adjustment item</th><th colspan="2">Initial setting value</th></tr><tr><th>VHF</th><th>UHF</th></tr><tr><td>2. DELAY POINT (AGC TAKE-OVER)</td><td>35</td><td>35</td></tr></table><div>[AV-29J534/B]</div><table><tr><th rowspan="3">Adjustment item</th><th colspan="4">Initial setting value</th></tr><tr><th colspan="2">NTSC 3.58</th><th colspan="2">OTHERS</th></tr><tr><th>VHF</th><th>UHF</th><th>VHF</th><th>UHF</th></tr><tr><td>2. DELAY POINT (AGC TAKE-OVER)</td><td>35</td><td>35</td><td>35</td><td>35</td></tr></table></div>					Adjustment item	Initial setting value		VHF	UHF	2. DELAY POINT (AGC TAKE-OVER)	35	35	Adjustment item	Initial setting value				NTSC 3.58		OTHERS		VHF	UHF	VHF	UHF	2. DELAY POINT (AGC TAKE-OVER)	35	35	35	35
Adjustment item	Initial setting value																													
	VHF	UHF																												
2. DELAY POINT (AGC TAKE-OVER)	35	35																												
Adjustment item	Initial setting value																													
	NTSC 3.58		OTHERS																											
	VHF	UHF	VHF	UHF																										
2. DELAY POINT (AGC TAKE-OVER)	35	35	35	35																										

#### 4.7.4 VIDEO CIRCUIT ADJUSTMENTS

- The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- Do not change the initial setting values of the setting (adjustment) items not listed in "ADJUSTMENT PROCEDURE".
- The initial setting values in parenthesis ( ) are fixed offset values, needing no further adjustment.

##### [AV-29J314/B]

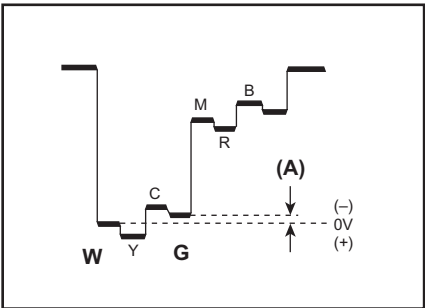
Adjustment item		Variable range	Initial setting value					
			PAL	SECAM	NTSC3.58	NTSC4.43	COMPONENT (V-2)	
							525i	625i
1. SCREEN	BRI	0 ~ 63	32	32	32	32	32	32
2. CUTOFF	B	0 ~ 63 (-32 ~ +31)	11	11	11	11	(-3)	(-3)
	G	0 ~ 63 (-32 ~ +31)	7	7	7	7	(-5)	(-5)
3. WDR	R	0 ~ 63 (-32 ~ +31)	32	32	32	32	(0)	(0)
	G	0 ~ 63 (-32 ~ +31)	32	32	32	32	(0)	(0)
	B	0 ~ 63 (-32 ~ +31)	45	45	45	45	(0)	(0)
4. BRIGHT	RF	0 ~ 63 (-32 ~ +31)	39	39	---	---	---	---
	VIDEO 1(COMPOSITE/S)	(-32 ~ +31)	(-1)	(-1)	(-1)	(-1)	---	---
	VIDEO 2(COMPONENT)	(-32 ~ +31)	(0)	(0)	(0)	(0)	(0)	(0)
	VIDEO 3(COMPOSITE)	(-32 ~ +31)	(0)	(0)	(0)	(0)	---	---
5. CONT.	RF	0 ~ 63	32	32	---	---	---	---
	VIDEO	(-32 ~ +31)	(+2)	(+2)	(+2)	(+2)	(+2)	(+2)
	RF 16:9	(-32 ~ +31)	(0)	(0)	---	---	---	---
	VIDEO 16:9	(-32 ~ +31)	---	---	---	---	---	---
6. COLOUR	RF	0 ~ 63 (-32 ~ +31)	42	32	---	---	---	---
	VIDEO	(-32 ~ +31)	(-1)	(0)	(37)	(0)	(+8)	(-5)
7. TINT	RF	0 ~ 63 (-32 ~ +31)	---	---	---	---	---	---
	VIDEO	(-32 ~ +31)	---	---	27	(+6)	---	---
8. SHARP	RF	0 ~ 63	22	22	---	---	---	---
	VIDEO	0 ~ 63	35	35	35	35	15	15
9. Y DELAY	RF	0 ~ 15	9	7	---	---	---	---
	VIDEO	0 ~ 15	7	7	7	7	---	---
	S-VIDEO	0 ~ 15	9	10	11	11	---	---
10. TINT DVD	VIDEO, S-VIDEO	0 ~ 63	34	32	32	32	---	---
	COMPONENT	(-32 ~ +31)	---	---	---	---	(0)	(-2)
11. AMP T.SHARP	RF, VIDEO	0 ~ 63	0	0	0	0	0	0

##### [AV-29J534/B]

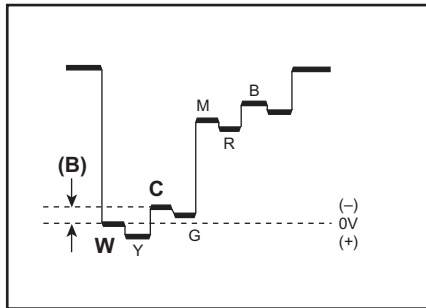
Adjustment item		Variable range	Initial setting value					
			PAL	SECAM	NTSC3.58	NTSC4.43	COMPONENT (V-2)	
							525i	625i
1. SCREEN	BRI	0 ~ 63	32	32	32	32	32	32
2. CUTOFF	B	0 ~ 63 (-32 ~ +31)	11	11	11	11	(-3)	(-3)
	G	0 ~ 63 (-32 ~ +31)	7	7	7	7	(-5)	(-5)
3. WDR	R	0 ~ 63 (-32 ~ +31)	32	32	32	32	(0)	(0)
	G	0 ~ 63 (-32 ~ +31)	32	32	32	32	(0)	(0)
	B	0 ~ 63 (-32 ~ +31)	45	45	45	45	(0)	(0)
4. BRIGHT	RF	0 ~ 63 (-32 ~ +31)	39	39	39	39	---	---
	VIDEO 1(COMPOSITE/S)	(-32 ~ +31)	(-1)	(-1)	(-1)	(-1)	---	---
	VIDEO 2(COMPONENT)	(-32 ~ +31)	(0)	(0)	(0)	(0)	(0)	(0)
	VIDEO 3(COMPOSITE)	(-32 ~ +31)	(0)	(0)	(0)	(0)	---	---
5. CONT.	RF	0 ~ 63	32	32	32	32	---	---
	VIDEO	(-32 ~ +31)	(+2)	(+2)	(+2)	(+2)	(+2)	(+2)
	RF 16:9	(-32 ~ +31)	(0)	(0)	(0)	(0)	---	---
	VIDEO 16:9	(-32 ~ +31)	---	---	---	---	---	---
6. COLOUR	RF	0 ~ 63 (-32 ~ +31)	42	32	37	(-3)	---	---
	VIDEO	(-32 ~ +31)	(-1)	(0)	(-4)	(0)	(+4)	(-5)
7. TINT	RF	0 ~ 63 (-32 ~ +31)	---	---	27	(-4)	---	---
	VIDEO	(-32 ~ +31)	---	---	(0)	(+11)	---	---
8. SHARP	RF	0 ~ 63	22	22	22	22	---	---
	VIDEO	0 ~ 63	35	35	35	35	15	15
9. Y DELAY	RF	0 ~ 15	9	7	12	7	---	---
	VIDEO	0 ~ 15	7	7	7	7	---	---
	S-VIDEO	0 ~ 15	9	10	11	11	---	---
10. TINT DVD	VIDEO, S-VIDEO	0 ~ 63	34	32	32	32	---	---
	COMPONENT	(-32 ~ +31)	---	---	---	---	(0)	(-2)
11. AMP T.SHARP	RF, VIDEO	0 ~ 63	0	0	0	0	0	0

Item	Measuring instrument	Test point	Adjustment part	Description																
WHITE BALANCE (Low light) adjustment	Signal generator		[2. V/C] 2. CUTOFF (B) 2. CUTOFF (G)  SCREEN VR [In HVT]	<b>Note:</b> <ul style="list-style-type: none"><li>Set PICTURE MODE (VSM) to "BRIGHT".</li></ul> <b>- COMPOSITE WHITE BALANCE -</b> <ol style="list-style-type: none"><li>Receive a PAL black and white signal (colour off).</li><li>Select <b>2. V/C</b> from the SERVICE MENU.</li><li>Select <b>2. CUTOFF (B)</b> and <b>(G)</b>.</li><li>Set each value to initial setting value with the <b>[4]</b> / <b>[7]</b> keys and <b>[5]</b> / <b>[8]</b> keys.</li><li>Turn the <b>SCREEN VR</b> fully counterclockwise, then slowly turn it clockwise to where a red, blue or green colour is faintly visible.</li><li>Use the <b>[4]</b> / <b>[7]</b> and <b>[5]</b> / <b>[8]</b> keys to adjust so that the other 2 colours appear white.</li><li>Turn the <b>SCREEN VR</b> to where the single horizontal line glows faintly.</li><li>Press the [DISPLAY] key twice to return to the normal screen.</li></ol> <b>- COMPONENT WHITE BALANCE -</b> <ol style="list-style-type: none"><li>Receive a PAL component black and white signal (colour off).</li><li>Select VIDEO-2 SET from the MENU and set VIDEO-2 SET to COMPONENT.</li><li>Adjust COMPONENT WHITE BALANCE in the same way as "COMPOSITE WHITE BALANCE".</li></ol> <table><thead><tr><th colspan="2" rowspan="2">Adjustment Item</th><th rowspan="2">Variable range</th><th colspan="2">Initial setting value</th></tr><tr><th>COMPOSITE</th><th>COMPONENT</th></tr></thead><tbody><tr><td rowspan="2">2. CUT OFF</td><td>B</td><td>0 ~ 63(-32~+31)</td><td>11</td><td>(-3)</td></tr><tr><td>G</td><td>0 ~ 63(-32~+31)</td><td>7</td><td>(-5)</td></tr></tbody></table>	Adjustment Item		Variable range	Initial setting value		COMPOSITE	COMPONENT	2. CUT OFF	B	0 ~ 63(-32~+31)	11	(-3)	G	0 ~ 63(-32~+31)	7	(-5)
	Adjustment Item		Variable range					Initial setting value												
COMPOSITE				COMPONENT																
2. CUT OFF	B	0 ~ 63(-32~+31)	11	(-3)																
	G	0 ~ 63(-32~+31)	7	(-5)																
<div><div><div>V/C 2. CUTOFF</div><div>PAL (B) ** (**) (G) ** (**)</div></div><div><div>REMOTE CONTROL UNIT</div><div><div><div>1</div><div>2</div><div>3</div></div><div><div>4</div><div>5</div><div>6</div></div><div><div>7</div><div>8</div><div>9</div></div></div><div><div>B CUTOFF (▲)</div><div>G CUTOFF (▲)</div><div>B CUTOFF (▼)</div><div>G CUTOFF (▼)</div></div></div></div>																				
WHITE BALANCE (High light) adjustment	Signal generator		[2. V/C] 3. WDR (R) 3. WDR (G) 3. WDR (B)	<b>Notes:</b> <ul style="list-style-type: none"><li>Proceed to the following adjustment after having completed the WHITE BALANCE (Low light) adjustment.</li><li>Set PICTURE MODE (VSM) to "BRIGHT".</li></ul> <ol style="list-style-type: none"><li>Receive a PAL black and white signal (colour off).</li><li>Select <b>2. V/C</b> from the SERVICE MENU.</li><li>Select <b>3. WDR (R)</b>, <b>(G)</b> and <b>(B)</b>.</li><li>Set each value to initial setting value with the <b>[4]</b> to <b>[9]</b> keys.</li><li>Use the <b>[4]</b> to <b>[9]</b> keys to produce a white screen.</li><li>Press the [DISPLAY] key twice to return to the normal screen.</li></ol> <table><thead><tr><th colspan="2">Adjustment Item</th><th>Variable range</th><th>Initial setting value</th></tr></thead><tbody><tr><td rowspan="3">3. WDR</td><td>R</td><td>0 ~ 63</td><td>32</td></tr><tr><td>G</td><td>0 ~ 63</td><td>32</td></tr><tr><td>B</td><td>0 ~ 63</td><td>45</td></tr></tbody></table>	Adjustment Item		Variable range	Initial setting value	3. WDR	R	0 ~ 63	32	G	0 ~ 63	32	B	0 ~ 63	45		
	Adjustment Item		Variable range		Initial setting value															
3. WDR	R	0 ~ 63	32																	
	G	0 ~ 63	32																	
	B	0 ~ 63	45																	
<div><div><div>V/C 3. WDR</div><div>PAL (R) ** (**) (G) ** (**) (B) ** (**)</div></div><div><div>REMOTE CONTROL UNIT</div><div><div><div>1</div><div>2</div><div>3</div></div><div><div>4</div><div>5</div><div>6</div></div><div><div>7</div><div>8</div><div>9</div></div></div><div><div>R DRIVE (▲)</div><div>G DRIVE (▲)</div><div>R DRIVE (▼)</div><div>B DRIVE (▲)</div><div>G DRIVE (▼)</div><div>B DRIVE (▼)</div></div></div></div>																				

Item	Measuring instrument	Test point	Adjustment part	Description
<b>SUB BRIGHT adjustment</b>	Remote control unit		[2. V/C] 4. BRIGHT	<b>Notes:</b> <ul style="list-style-type: none"> <li>• Proceed to the following adjustment after having completed the WHITE BALANCE (Low light) and WHITE BALANCE (High light) adjustment.</li> <li>• Set PICTURE MODE (VSM) to "BRIGHT".</li> <li>(1) Receive a broadcast.</li> <li>(2) Select <b>2. V/C</b> from the SERVICE MENU.</li> <li>(3) Select <b>4. BRIGHT</b>.</li> <li>(4) Set the initial setting value.</li> <li>(5) If the brightness is not best with the initial setting value, make fine adjustment until you get the best brightness.</li> <li>(6) Press the [DISPLAY] key twice to return to the normal screen.</li> </ul>
<b>SUB CONTRAST adjustment</b>	Remote control unit		[2. V/C] 5. CONT	<b>Notes:</b> <ul style="list-style-type: none"> <li>• Proceed to the following adjustment after having completed the SUB BRIGHT adjustment.</li> <li>• Set PICTURE MODE (VSM) to "BRIGHT".</li> <li>(1) Receive a broadcast.</li> <li>(2) Select <b>2. V/C</b> from the SERVICE MENU.</li> <li>(3) Select <b>5. CONT</b>.</li> <li>(4) Set the initial setting value.</li> <li>(5) If the contrast is not best with the initial setting value, make fine adjustment until you get the best contrast.</li> <li>(6) Press the [DISPLAY] key twice to return to the normal screen.</li> </ul>
<b>SUB COLOUR 1 adjustment</b>	Remote control unit		[2. V/C] 6. COLOUR	<b>[Method of adjustment without measuring instrument]</b> <b>Notes:</b> <ul style="list-style-type: none"> <li>• Proceed to the following adjustment after having completed the SUB CONTRAST adjustment.</li> <li>• Set PICTURE MODE (VSM) to "BRIGHT".</li> </ul> <b>- PAL COLOUR -</b> <ul style="list-style-type: none"> <li>(1) Receive a PAL broadcast.</li> <li>(2) Select <b>2. V/C</b> from the SERVICE MENU.</li> <li>(3) Select <b>6. COLOUR</b>.</li> <li>(4) Set the initial setting value for PAL COLOUR.</li> <li>(5) If the colour is not best with the initial setting value, adjust until you get the best colour.</li> <li>(6) Press the [DISPLAY] key twice to return to the normal screen.</li> </ul> <b>- SECAM COLOUR -</b> <ul style="list-style-type: none"> <li>(1) Receive a SECAM broadcast.</li> <li>(2) Press the [COLOUR SYSTEM] key to select the SECAM colour system.</li> <li>(3) Adjust SECAM COLOUR in the same way as for "PAL COLOUR".</li> </ul> <b>- NTSC 3.58 COLOUR -</b> <ul style="list-style-type: none"> <li>(1) Receive a NTSC 3.58MHz broadcast.</li> <li>(2) Press the [COLOUR SYSTEM] key to select the NTSC 3.58 colour system.</li> <li>(3) Adjust NTSC 3.58 COLOUR in the same way as for "PAL COLOUR".</li> </ul> <b>- NTSC 4.43 COLOUR -</b> When adjustment is done for NTSC 3.58 COLOUR, appropriate values are automatically set for NTSC 4.43 COLOUR.

Item	Measuring instrument	Test point	Adjustment part	Description
<b>SUB COLOUR 2 adjustment</b>	Signal generator  Oscilloscope  Remote control unit	TP-47G TP-E [CRT SOCKET PWB]	[2. V/C] 6. COLOUR	<p><b>[Method of adjustment using measuring instrument]</b></p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Proceed to the following adjustment after having completed the SUB CONTRAST adjustment.</li> <li>• Set PICTURE MODE (VSM) to "BRIGHT".</li> </ul> <p><b>- PAL COLOUR -</b></p> <ol style="list-style-type: none"> <li>(1) Receive a PAL colour bar signal (full field colour bar 75% white).</li> <li>(2) Select <b>2. V/C</b> from the SERVICE MENU.</li> <li>(3) Select <b>6. COLOUR</b>.</li> <li>(4) Set the initial setting value of PAL COLOUR.</li> <li>(5) Connect the oscilloscope between TP-47G and TP-E.</li> <li>(6) Adjust PAL COLOUR to set the value <b>(A)</b> in the figure to <b>+18V</b>.</li> </ol> <p><b>- SECAM COLOUR -</b></p> <ol style="list-style-type: none"> <li>(1) Receive a SECAM colour bar signal (colour bar 75% white).</li> <li>(2) Press the [COLOUR SYSTEM] key to select the SECAM colour system.</li> <li>(3) Set the initial setting value of SECAM COLOUR.</li> <li>(4) Adjust SECAM COLOUR to set the value <b>(A)</b> in the figure to <b>+7V</b>.</li> </ol> <p><b>- NTSC 3.58 COLOUR -</b></p> <ol style="list-style-type: none"> <li>(1) Receive a NTSC 3.58 colour bar signal (full field colour bar 75% white).</li> <li>(2) Press the [COLOUR SYSTEM] key to select the NTSC 3.58 colour system.</li> <li>(3) Set the initial setting value of NTSC 3.58 COLOUR.</li> <li>(4) Adjust NTSC 3.58 COLOUR to set the value <b>(A)</b> in the figure to <b>+4[AV-29J314/B]</b> or <b>+9[AV-29J534/B]</b>.</li> </ol> <p><b>- NTSC 4.43 COLOUR -</b></p> <p>When adjustment is done for NTSC 3.58 COLOUR, appropriate values are automatically set for NTSC 4.43 COLOUR.</p>
				
<b>SUB TINT 1 adjustment</b>	Signal generator  Remote control unit		[2. V/C] 7. TINT	<p><b>[Method of adjustment without measuring instrument]</b></p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Proceed to the following adjustment after having completed the SUB CONTRAST adjustment.</li> <li>• Set PICTURE MODE (VSM) to "BRIGHT".</li> </ul> <p><b>- NTSC 3.58 TINT -</b></p> <ol style="list-style-type: none"> <li>(1) Receive a NTSC 3.58 colour bar signal (full field colour bar 75% white).</li> <li>(2) Press the [COLOUR SYSTEM] key to select the NTSC 3.58 colour system.</li> <li>(3) Select <b>2. V/C</b> from the SERVICE MENU.</li> <li>(4) Select <b>7. TINT</b>.</li> <li>(5) Set the initial setting value of NTSC 3.58.</li> <li>(6) If you cannot get the best tint with the initial setting value, make fine adjustment until you get the best tint.</li> <li>(7) Press the [DISPLAY] key twice to return to the normal screen.</li> </ol> <p><b>- NTSC 4.43 TINT -</b></p> <p>When adjustment is done for NTSC 3.58 TINT, appropriate values are automatically set for NTSC 4.43 TINT.</p>

Item	Measuring instrument	Test point	Adjustment part	Description
<b>SUB TINT 2 adjustment</b>	Signal generator  Oscilloscope  Remote control unit	TP-47G TP-E [CRT SOCKET PWB]	[2. V/C] 7. TINT	<b>[Method of adjustment using measuring instrument]</b> <b>Notes:</b> <ul style="list-style-type: none"> <li>Proceed to the following adjustment after having completed the SUB CONTRAST adjustment.</li> <li>Set PICTURE MODE (VSM) to "BRIGHT".</li> </ul> <b>- NTSC 3.58 TINT -</b> <ol style="list-style-type: none"> <li>Receive a NTSC 3.58 colour bar signal (full field colour bar 75% white).</li> <li>Press the [COLOUR SYSTEM] key to select the NTSC 3.58 colour system.</li> <li>Select <b>2. V/C</b> from the SERVICE MENU.</li> <li>Select <b>7. TINT</b>.</li> <li>Set the initial setting value of NTSC 3.58.</li> <li>Connect the oscilloscope between TP-47G and TP-E.</li> <li>Adjust NTSC 3.58 TINT to set the value <b>(B)</b> in the figure to <b>+4[AV-29J314/B]</b> or <b>+8[AV-29J534/B]</b>.</li> <li>Press the [DISPLAY] key twice to return to the normal screen.</li> </ol> <b>- NTSC 4.43 TINT -</b> When adjustment is done for NTSC 3.58 TINT, appropriate values are automatically set for NTSC 4.43 TINT.



#### 4.7.5 AUDIO SETTING

This submenu is for display only, no adjustment is required.

##### [AV-29J314/B]

Function	Item	100Hz	300Hz	1kHz	3kHz	8kHz
MENU EQUALIZER	DYNAMIC	+9	+5	-2	+5	+10
	MUSIC	+8	+4	+5	+5	+10
	NEWS	-6	+1	+6	+1	-6
	USER	0	0	0	0	0

##### [AV-29J534/B]

Function	Item	Setting value				
AUDIO	1. DC XO ADJ	F0H				
	2. NICAM LOWER ERR LIM	6FH				
	3. NICAM UPPER ERR LIM	B0H				
	4. A2 ID THR	00H				
Function	Item	100Hz	300Hz	1kHz	3kHz	8kHz
MENU EQUALIZER	DYNAMIC	+4	+1	-5	+1	+4
	MUSIC	+3	-1	-1	+3	+8
	NEWS	-6	+1	+6	+1	-6
	USER	0	0	0	0	0

#### 4.7.6 DEFLECTION CIRCUIT ADJUSTMENTS

- The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- When performing deflection circuit adjustment, adjusts PAL signal (fv: 50 Hz) in 4:3 mode and 16:9 mode respectively, and adjust the NTSC signal (fv: 60 Hz) similarly.

#### Note:

Proceed to the following adjustment after having completed the adjustments of SUB BRIGHT and SUB PICTURE.

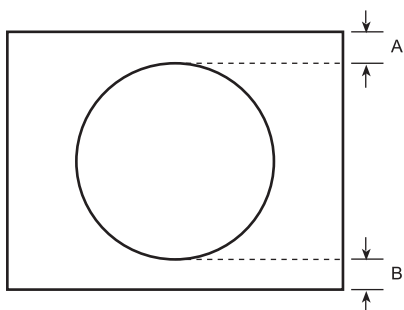
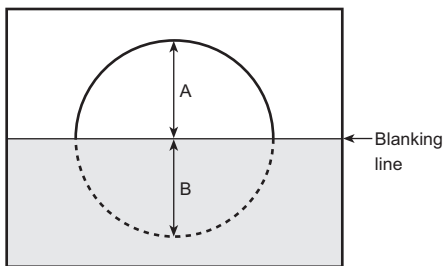
#### ■ 4. DEF

Adjustment item	Variable range		Initial setting value			
	4:3 50Hz	Others	4:3		COMPRESS (16:9)	
			50Hz	60Hz	50Hz	60Hz
1. V-SHIFT	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
2. V-SLOPE	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
3. V-SIZE	0 ~ 63	-32 ~ +31	+15*	0*	-4*	-2*
4. H-CENT	0 ~ 63	-32 ~ +31	+35*	0*	0*	0*
5. H-SIZE	0 ~ 63	-32 ~ +31	+45*	0*	0*	0*
6. TRAPEZ	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
7. EW-PIN	0 ~ 63	-32 ~ +31	-12*	0*	0*	0*
8. COR-UP	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
9. COR-LO	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
10. ANGLE	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
11. BOW	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
12. V-S.CR	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
13. V-LIN	0 ~ 63	-32 ~ +31	0*	0*	0*	0*
14. V-ZOOM	0 ~ 63	-32 ~ +31	(+25)	0	-23*	+3*
15. V-SCROLL	0 ~ 63	-32 ~ +31	(+32)	(0)	(0)	(0)

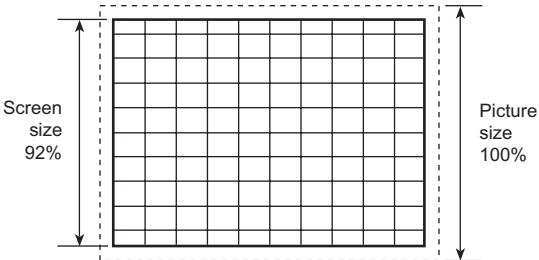
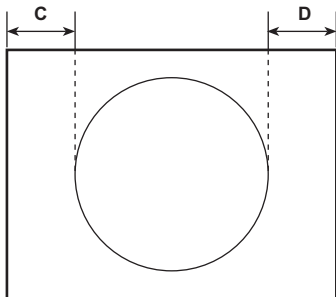
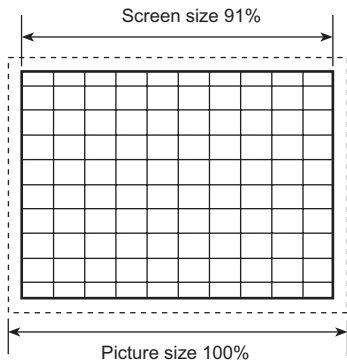
**NOTE:** The value with an asterisk \* is variable for adjustment. The values in parenthesis ( ) are fixed values.

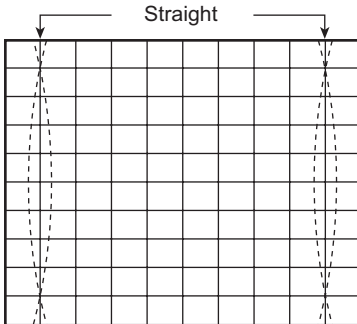
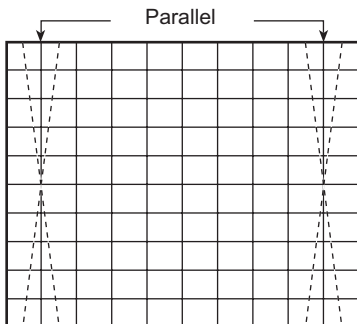
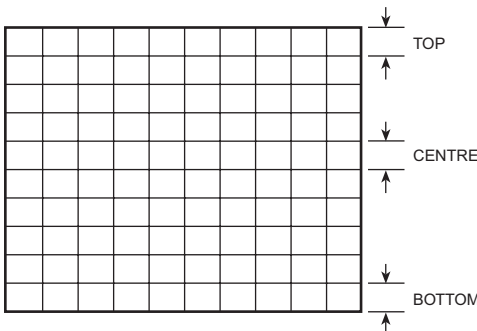
#### ■ COMPRESS: OFF (4:3)

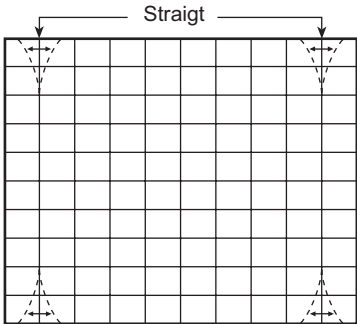
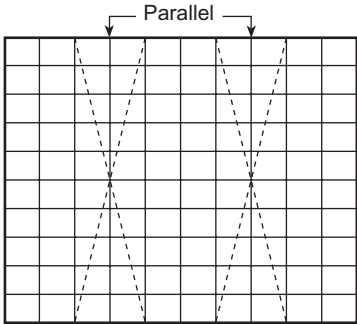
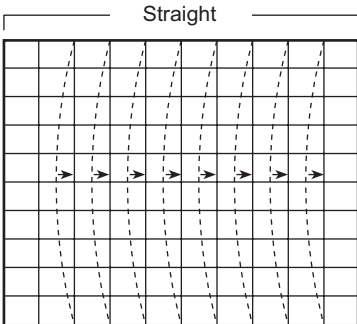
Item	Measuring instrument	Test point	Adjustment part	Description
<b>V. SLOPE adjustment</b>	Signal generator		[4. DEF] 2. V-SLOPE	<b>- PAL V. SLOPE -</b> (1) Receive a PAL circle pattern signal of vertical frequency 50Hz. (2) Select <b>4. DEF</b> from the SERVICE MENU. (3) Select <b>2. V-SLOPE</b> . (4) Set the initial setting value of <b>2. V-SLOPE</b> . (5) Adjust <b>2. V-SLOPE</b> to make " <b>A = B</b> ". (6) Press the [DISPLAY] key twice to return to SERVICE MENU screen.  <b>- NTSC V. SLOPE -</b> (1) Receive a NTSC circle pattern signal of vertical frequency 60Hz. (2) Make similar adjustment of NTSC V-SLOPE in the same way as for "PAL V-SLOPE".
	Remote control unit			
<b>V. POSITION adjustment</b>	Signal generator		[4. DEF] 1. V-SHIFT	<b>- PAL V. POSITION -</b> (1) Receive a PAL circle pattern signal of vertical frequency 50Hz. (2) Select <b>1. V-SHIFT</b> . (3) Set the initial setting value of <b>1. V-SHIFT</b> . (4) Adjust <b>1. V-SHIFT</b> to make " <b>A = B</b> ".  <b>- NTSC V. POSITION -</b> (1) Receive a NTSC circle pattern signal of vertical frequency 60Hz. (2) Make similar adjustment of NTSC V. POSITION in the same way as for "PAL V. POSITION".
	Remote control unit			



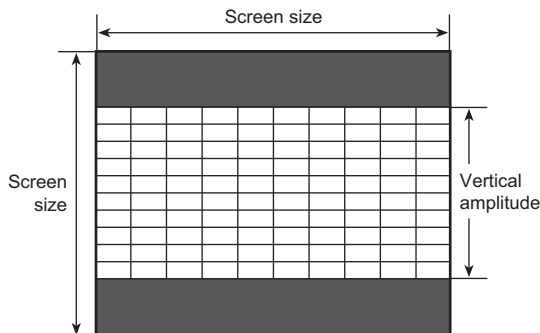
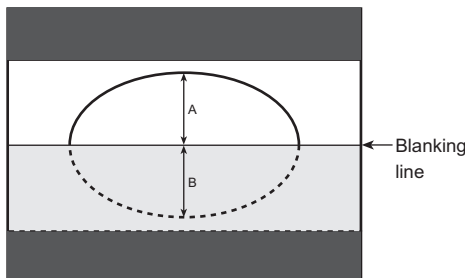


Item	Measuring instrument	Test point	Adjustment part	Description
<b>V. HEIGHT adjustment</b>	Signal generator  Remote control unit		[4. DEF] 3. V-SIZE 14. V-ZOOM	<b>- PAL V. HEIGHT -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>3. V-SIZE</b> . (3) Set the initial setting value of <b>3. V-SIZE</b> . (4) Select <b>14. V-ZOOM</b> . (5) Set the initial setting value of <b>14. V-ZOOM</b> . (6) Adjust <b>14. V-ZOOM</b> to make the vertical screen size to 92% of the picture size.  <b>- NTSC V. HEIGHT -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC V. HEIGHT in the same way as for "PAL V. HEIGHT".
				
<b>H. POSITION adjustment</b>	Signal generator  Remote control unit		[4. DEF] 4. H-CENT	<b>- PAL H. POSITION -</b> (1) Receive a PAL circle pattern signal. (2) Select <b>4. H-CENT</b> . (3) Set the initial setting value of <b>4. H-CENT</b> . (4) Adjust <b>4. H-CENT</b> to make " <b>C = D</b> ".  <b>- NTSC H. POSITION -</b> (1) Receive a NTSC circle pattern signal. (2) Make similar adjustment of NTSC H. POSITION in the same way as for "PAL H. POSITION".
				
<b>H. WIDTH adjustment</b>	Signal generator  Remote control unit		[4. DEF] 5. H-SIZE	<b>- PAL H. WIDTH -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>5. H-SIZE</b> . (3) Set the initial setting value of <b>5. H-SIZE</b> . (4) Adjust <b>5. H-SIZE</b> to make the horizontal screen size to 91% of the picture size.  <b>- NTSC H. WIDTH -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC H. WIDTH in the same way as for "PAL H. WIDTH".
				

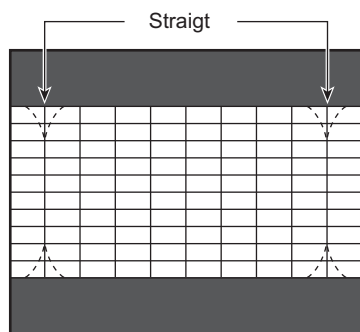
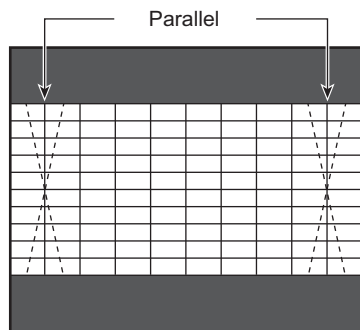
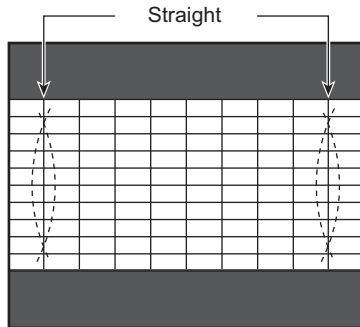
Item	Measuring instrument	Test point	Adjustment part	Description
SIDE PIN adjustment	Signal generator		[4. DEF] 7. EW-PIN	<b>- PAL SIDE PIN -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>7. EW-PIN</b> . (3) Set the initial setting value of <b>7. EW-PIN</b> . (4) Adjust <b>7. EW-PIN</b> so that the first vertical lines at the left and right edges on the screen are straight.  <b>- NTSC SIDE PIN -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC SIDE PIN in the same way as for "PAL SIDE PIN".
	Remote control unit			
				
TRAPEZIUM adjustment	Signal generator		[4.DEF] 6. TRAPEZ	<b>- PAL TRAPEZIUM -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>6. TRAPEZ</b> . (3) Set the initial setting value of <b>6. TRAPEZ</b> . (4) Adjust <b>6. TRAPEZ</b> so that the vertical lines at the left and right edges on the screen are in parallel.  <b>- NTSC TRAPEZIUM -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC TRAPEZIUM in the same way as for "PAL TRAPEZIUM".
	Remote control unit			
				
V.LINEARITY adjustment	Signal generator		[4. DEF] 12. V-S. CR 13. V-LIN	<b>- PAL V. LINEARITY -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>12. V-S.CR</b> . (3) Set the initial setting value of <b>12. V-S. CR</b> . (4) Select <b>13. V-LIN</b> . (5) Set the initial setting value of <b>13. V-LIN</b> . (6) Adjust <b>12. V-S. CR</b> and <b>13. V-LIN</b> so that the spaces of each line on TOP, CENTRE and BOTTOM become uniform.  <b>- NTSC V. LINEARITY -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC V-S. CR in the same way as for "PAL V-S. CR".
	Remote control unit			
				

Item	Measuring instrument	Test point	Adjustment part	Description
<b>CORNER PIN adjustment</b>	Signal generator		[4. DEF] 8. COR-UP 9. COR-LO	<b>- PAL CORNER PIN -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>8. COR-UP</b> . (3) Set the initial setting value of <b>8. COR-UP</b> . (4) Select <b>9. COR-LO</b> . (5) Set the initial setting value of <b>9. COR-LO</b> . (6) Adjust <b>8. COR-UP</b> and <b>9. COR-LO</b> so that the vertical lines at the four corners on the screen are straight.  <b>- NTSC CORNER PIN -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC CORNER in the same way as for "PAL CORNER".
	Remote control unit			
				
<b>H. PARALLEL adjustment</b>	Signal generator		[4.DEF] 10. ANGLE	<b>- PAL H. PARALLEL -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>10. ANGLE</b> . (3) Set the initial setting value of <b>10. ANGLE</b> . (4) Adjust <b>10. ANGLE</b> to optimize the trapezium distortion at the centre of the screen.  <b>- NTSC H. PARALLEL -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC H. PARALLEL in the same way as for "PAL H. PARALLEL".
	Remote control unit			
				
<b>H. BOW adjustment</b>	Signal generator		[4.DEF] 11. BOW	<b>- PAL H. BOW -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>11. BOW</b> . (3) Set the initial setting value of <b>11. BOW</b> . (4) Adjust <b>11. BOW</b> to optimize the horizontal arc distortion.  <b>- NTSC H. BOW -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC H. BOW in the same way as for "PAL H. BOW". (3) Press the [DISPLAY] key twice to return to the normal screen.
	Remote control unit			
				

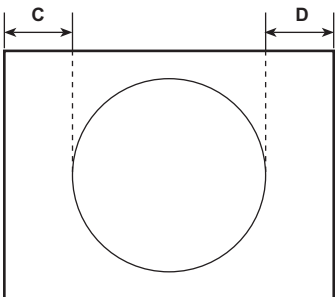
■ COMPRESS : ON (16:9)

Item	Measuring instrument	Test point	Adjustment part	Description
<b>V. HEIGHT adjustment</b>	Signal generator		[4.DEF] 14. V. ZOOM 3. V-SIZE	<b>- PAL V. HEIGHT -</b> (1) Receive a PAL crosshatch signal of vertical frequency 50Hz. (2) Press the [MENU] key and select <b>PICTURE</b> . (3) Select <b>PICTURE FEATURES</b> . (4) Select <b>COMPRESS (16 : 9)</b> and set COMPRESS to ON. (5) Select <b>4. DEF</b> from the SERVICE MENU. (6) Set the initial setting value of <b>14. V. ZOOM</b> . (7) Select <b>3. V-SIZE</b> . (8) Set the initial setting value of <b>3. V-SIZE</b> . (9) Adjust <b>3. V-SIZE</b> to set the vertical amplitude of the image to 305mm.  <b>- NTSC V. HEIGHT -</b> (1) Receive a NTSC crosshatch signal of vertical frequency 60Hz. (2) Make similar adjustment of NTSC V. HEIGHT in the same way as for "PAL V. HEIGHT".
	Remote control unit			
				
<b>V. SLOPE adjustment</b>	Signal generator		[4.DEF] 2. V-SLOPE	<b>- PAL V. SLOPE -</b> (1) Receive a PAL circle pattern signal of vertical frequency 50Hz. (2) Select <b>4. DEF</b> from the SERVICE MENU. (3) Select <b>2. V-SLOPE</b> . (4) Set the initial setting value of <b>2. V-SLOPE</b> . (5) Adjust <b>2. V-SLOPE</b> to make " <b>A = B</b> ". (6) Press the [DISPLAY] key to return to SERVICE MENU screen.  <b>- NTSC V. SLOPE -</b> (1) Receive a NTSC circle pattern signal of vertical frequency 60Hz. (2) Make similar adjustment of NTSC V-SLOPE in the same way as for "PAL V-SLOPE".
	Remote control unit			
				

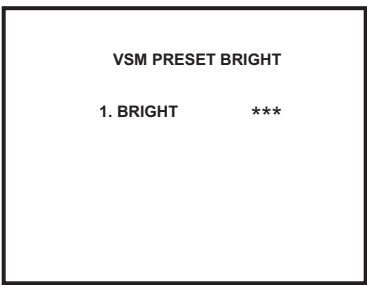
Item	Measuring instrument	Test point	Adjustment part	Description
<b>SIDE PIN adjustment</b>	Signal generator		[4. DEF] 7. EW-PIN	<b>- PAL SIDE PIN -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>7. EW-PIN</b> . (3) Set the initial setting value of <b>7. EW-PIN</b> . (4) Adjust <b>7. EW-PIN</b> so that the first vertical lines at the left and right edges on the screen are straight.  <b>- NTSC SIDE PIN -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC SIDE PIN in the same way as for "PAL SIDE PIN".
	Remote control unit			
<b>TRAPEZIUM adjustment</b>	Signal generator		[4. DEF] 6. TRAPEZ	<b>- PAL TRAPEZIUM PIN -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>6. TRAPEZ</b> . (3) Set the initial setting value of <b>6. TRAPEZ</b> . (4) Adjust <b>6. TRAPEZ</b> so that the vertical lines at the left and right edges on the screen are in parallel.  <b>- NTSC TRAPEZIUM PIN -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC TRAPEZIUM in the same way as for "PAL TRAPEZIUM".
	Remote control unit			
<b>CORNER PIN adjustment</b>	Signal generator		[4. DEF] 8. COR-UP 9. COR-LO	<b>- PAL CORNER PIN -</b> (1) Receive a PAL crosshatch signal. (2) Select <b>8. COR-UP</b> . (3) Set the initial setting value of <b>8. COR-UP</b> . (4) Select <b>9. COR-LO</b> . (5) Set the initial setting value of <b>9. COR-LO</b> . (6) Adjust <b>8. COR-UP</b> and <b>9. COR-LO</b> so that the vertical lines at the four corners on the screen are straight.  <b>- NTSC CORNER PIN -</b> (1) Receive a NTSC crosshatch signal. (2) Make similar adjustment of NTSC CORNER in the same way as for "PAL CORNER". (3) Press the [DISPLAY] key twice to return to the normal screen.
	Remote control unit			



## ■ VIDEO - 2 SET: COMPONENT

Item	Measuring instrument	Test point	Adjustment part	Description
<b>H. POSITION adjustment</b>	Signal generator Remote control unit		[4. DEF] 4. H-CENT	(1) Receive a PAL circle pattern signal to VIDEO-2 component terminal. (2) Select VIDEO-2 SET from the MENU and set VIDEO-2 SET to COMPONENT. (3) Select <b>4. DEF</b> from the SERVICE MENU. (4) Select <b>4. H-CENT</b> . (5) Set the initial setting value of <b>4. H-CENT</b> . (6) Adjust <b>4. H-CENT</b> to make " <b>C=D</b> ". (7) Press the [DISPLAY] key twice to return to the normal screen.
				

### 4.7.7 VSM PRESET SETTING

Item	Measuring instrument	Test point	Adjustment part	Description																																																												
<b>VSM PRESET setting</b>	Remote control unit		[5. VSM W/B] 1. BRIGHT 2. CONT 3. COLOUR 4. SHARP 5. HUE 1. R-DRIVE 2. G-DRIVE 3. B-DRIVE	(1) Select <b>5. VSM W/B</b> from the SERVICE MENU. (2) Select BRIGHT with the MENU [OK] key. (3) Set the value of <b>1. BRIGHT ~ 5. HUE</b> to the values shown in the table. (4) Respectively select the VSM PRESET mode for SOFT and STANDARD. (5) Select COOL with the MENU [OK] key. (6) Set the values of <b>1. R-DRIVE ~ 3. B-DRIVE</b> to the value shown in the table. (7) Select the W/B preset for WARM and NORMAL, respectively. (8) Press the [DISPLAY] key twice to return to the normal screen.																																																												
<p><b>SUB MENU 5. VSM W/B</b></p> 				<p><b>[Setting Values for SUB 5. VSM W/B]</b></p> <table border="1"> <thead> <tr> <th colspan="2">VSM preset</th><th>BRIGHT</th><th>STANDARD</th><th>SOFT</th></tr> <tr> <th>Setting item</th><th></th><th></th><th></th><th></th></tr> </thead> <tbody> <tr> <td><b>1. BRIGHT</b></td><td></td><td>0</td><td>0</td><td>+2</td></tr> <tr> <td><b>2. CONT</b></td><td></td><td>+15</td><td>0</td><td>-3</td></tr> <tr> <td><b>3. COLOUR</b></td><td></td><td>0</td><td>0</td><td>0</td></tr> <tr> <td><b>4. SHARP</b></td><td></td><td>0</td><td>0</td><td>-10</td></tr> <tr> <td><b>5. HUE</b></td><td></td><td>0</td><td>0</td><td>0</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">W/B preset</th><th>COOL</th><th>NORMAL</th><th>WARM</th></tr> <tr> <th>Setting item</th><th></th><th></th><th></th><th></th></tr> </thead> <tbody> <tr> <td><b>1. R-DRIVE</b></td><td></td><td>0</td><td>+2</td><td>+10</td></tr> <tr> <td><b>2. G-DRIVE</b></td><td></td><td>0</td><td>0</td><td>-4</td></tr> <tr> <td><b>3. B-DRIVE</b></td><td></td><td>0</td><td>-10</td><td>-12</td></tr> </tbody> </table>	VSM preset		BRIGHT	STANDARD	SOFT	Setting item					<b>1. BRIGHT</b>		0	0	+2	<b>2. CONT</b>		+15	0	-3	<b>3. COLOUR</b>		0	0	0	<b>4. SHARP</b>		0	0	-10	<b>5. HUE</b>		0	0	0	W/B preset		COOL	NORMAL	WARM	Setting item					<b>1. R-DRIVE</b>		0	+2	+10	<b>2. G-DRIVE</b>		0	0	-4	<b>3. B-DRIVE</b>		0	-10	-12
VSM preset		BRIGHT	STANDARD	SOFT																																																												
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<b>4. SHARP</b>		0	0	-10																																																												
<b>5. HUE</b>		0	0	0																																																												
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<b>3. B-DRIVE</b>		0	-10	-12																																																												

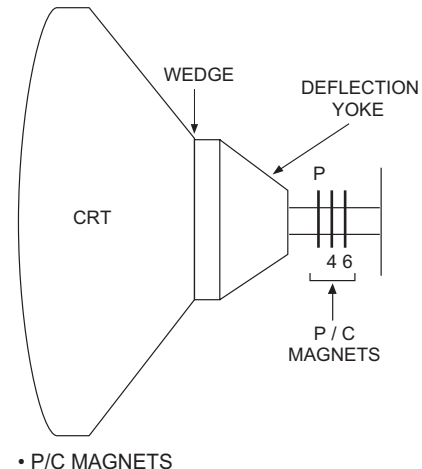
#### 4.7.8 PURITY AND CONVERGENCE

##### ■ PURITY ADJUSTMENT

###### Note:

The final adjustment of CONVERGENCE must be done after the FOCUS adjustment. (CONVERGENCE is changed by FOCUS adjustment.)  
When makes difference by FOCUS adjustment, should be reconfirming PURITY adjustment.

- (1) Demagnetize CRT with the demagnetizer.
- (2) Loosen the retainer screw of the deflection yoke.
- (3) Remove the wedges.
- (4) Input a green raster signal from the signal generator, and turn the screen to green raster.
- (5) Move the deflection yoke backward.
- (6) Bring the long lug of the purity magnets on the short lug and position them horizontally. (Fig.2)
- (7) Adjust the gap between two lugs so that the GREEN RASTER will come into the centre of the screen. (Fig.3)
- (8) Move the deflection yoke forward, and fix the position of the deflection yoke so that the whole screen will become green.
- (9) Insert the wedge to the top side of the deflection yoke so that it will not move.
- (10) Input a crosshatch signal.
- (11) Verify that the screen is horizontal.
- (12) Input red and blue raster signals, and make sure that purity is properly adjusted.



###### • P/C MAGNETS

P : PURITY MAGNET  
4 : 4 POLES (convergence magnets)  
6 : 6 POLES (convergence magnets)

Fig.1

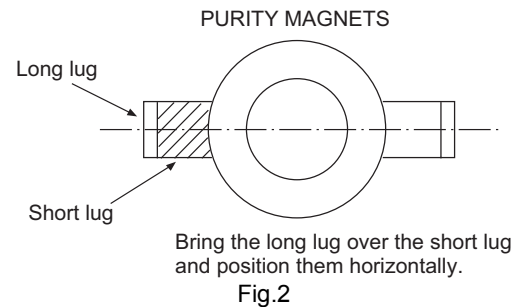


Fig.2

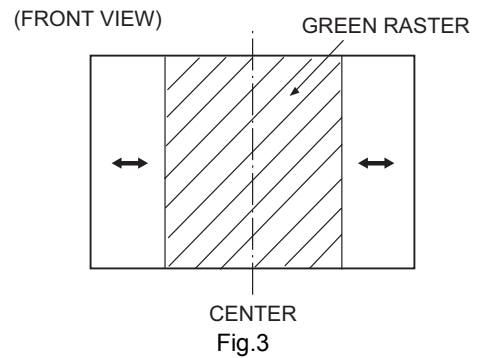
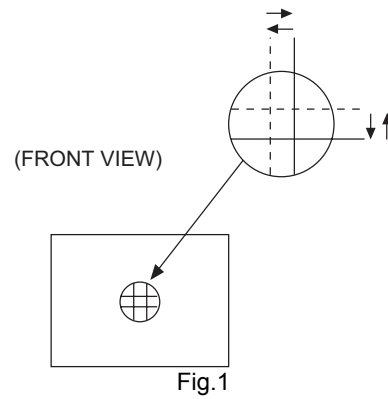


Fig.3

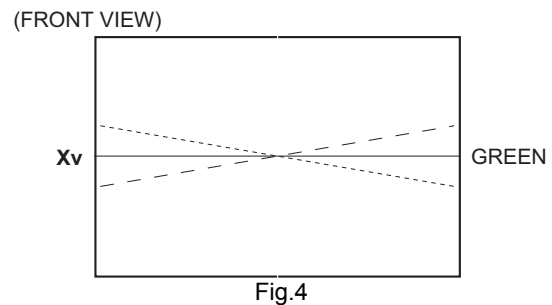
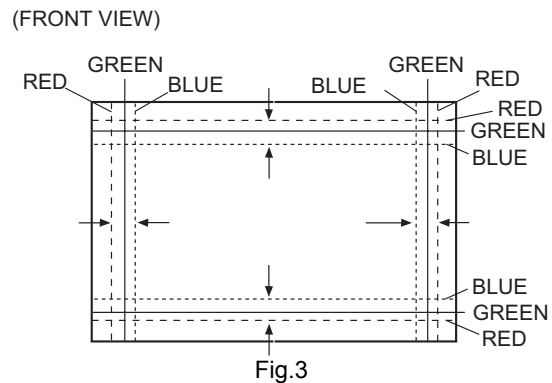
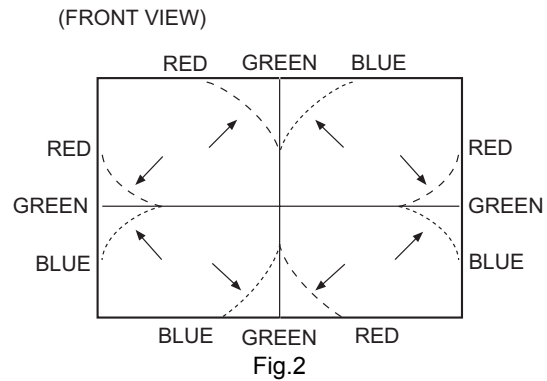
## ■ STATIC CONVERGENCE ADJUSTMENT

- (1) Input a crosshatch signal.
- (2) Using 4-pole convergence magnets, overlap the red and blue lines in the centre of the screen (Fig.1) and turn them to magenta (red/blue).
- (3) Using 6-pole convergence magnets, overlap the magenta (red/blue) and green lines in the centre of the screen and turn them to white.
- (4) Repeat 2 and 3 above, and make best convergence.



## ■ DYNAMIC CONVERGENCE ADJUSTMENT

- (1) Move the deflection yoke up and down and overlap the lines in the periphery. (Fig. 2)
  - (2) Move the deflection yoke left to right and overlap the lines in the periphery. (Fig. 3)
  - (3) Repeat 1 and 2 above, and make best convergence.
  - (4) Adjust XV by XV coil. (Fig.4)
- After adjustment, fix the wedge at the original position. Fasten the retainer screw of the deflection yoke. Fix the P/C magnets with glue.





## SECTION 5 TROUBLESHOOTING

### 5.1 SELF CHECK FUNCTIONS

#### 5.1.1 OUTLINE

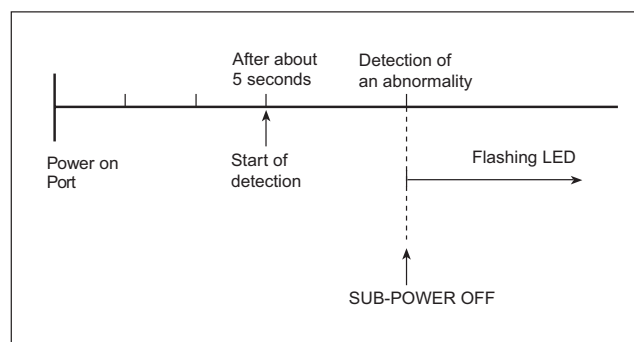
This model has self check functions given below. When an abnormality has been detected, the SUB POWER is turned off and POWER LED flashes to inform of the failure. An abnormality is detected by the signal input state of the control line connected to the microcomputer.

#### 5.1.2 SELF CHECK ITEMS

Check item	Details of detection	Method of detection	State of abnormality
B1 over-current protection	An over-current on the low B1 line is detected.	The main microcomputer detects the possible abnormality at 24-msec. intervals and judges the results in every 16 time. Of the 16 times, if NG is detected more than 9 times, it is judged that there is an abnormality.	When an abnormality has been detected, the SUB-POWER is turned off. While the SUB-POWER is being turned off, the POWER key on the remote control unit is not operational until the power cord is disconnected and connected again.
CRT neck broken protection	Operation of CRT neck protection circuit.		

#### 5.1.3 SELF CHECK INDICATING FUNCTION

When an abnormality has been detected at about 5 seconds after the power was turned on, the SUB POWER is turned off immediately and the POWER LED flashes.



#### [ INDICATION BY THE POWER LED]

Item	LED flashing intervals
B1 over-current protection / CRT neck broken protection	0.3 seconds



Victor Company of Japan, Limited  
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan



# JVC

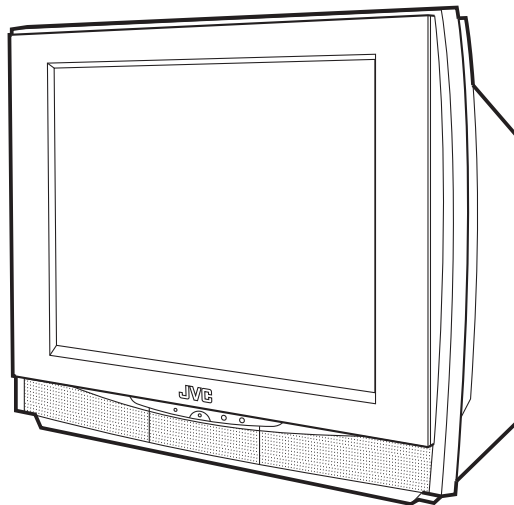
## SCHEMATIC DIAGRAMS

FLAT COLOUR TELEVISION

**AV-29J314**<sub>/B</sub>,  
**AV-29J534**<sub>/B</sub>

CD-ROM No.SML200501

BASIC CHASSIS
CW



# AV-29J314/B, AV-29J534/B

## STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the  $\triangle$  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k $\Omega$ /V
- (4)Oscilloscope sweeping time : H  $\Rightarrow$  20 $\mu$ s / div  
: V  $\Rightarrow$  5ms / div  
: Others  $\Rightarrow$  Sweeping time is specified
- (5)Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R209  $\rightarrow$  R209

#### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

##### (1)Resistors

###### ● Resistance value

- No unit : [ $\Omega$ ]
- K : [k $\Omega$ ]
- M : [M $\Omega$ ]

###### ● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

###### ● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflamable resistor
- FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

##### (2)Capacitors

###### ● Capacitance value

- 1 or higher : [pF]
- less than 1 : [ $\mu$ F]

###### ● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [ $\mu$ F]/withstand voltage[V]

###### ● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

##### (3)Coils

- No unit : [ $\mu$ H]
- Others : As specified

##### (4)Power Supply



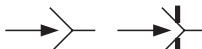
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

\* Respective voltage values are indicated





##### (5)Test point

-  : Test point
-  : Only test point display



##### (6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

##### (7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

#### NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

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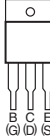
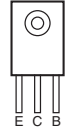
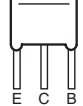
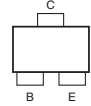
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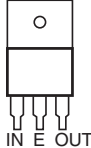
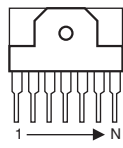
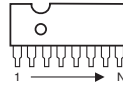
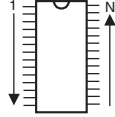
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## SEMICONDUCTOR SHAPES

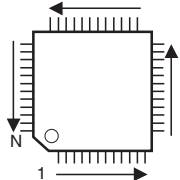
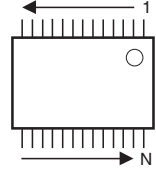
### TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

### IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

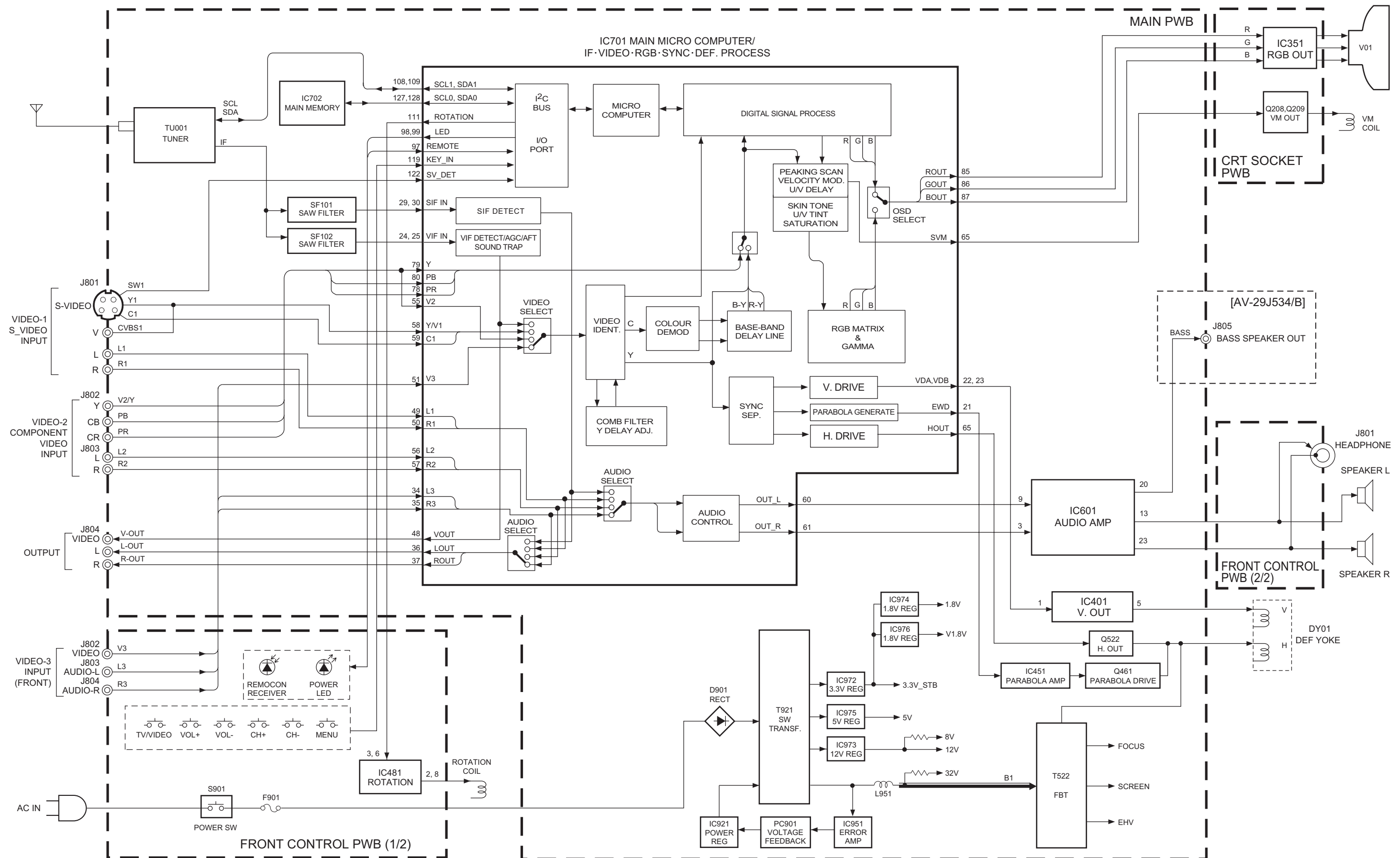
### CHIP IC

TOP VIEW		
		

## USING P.W. BOARD

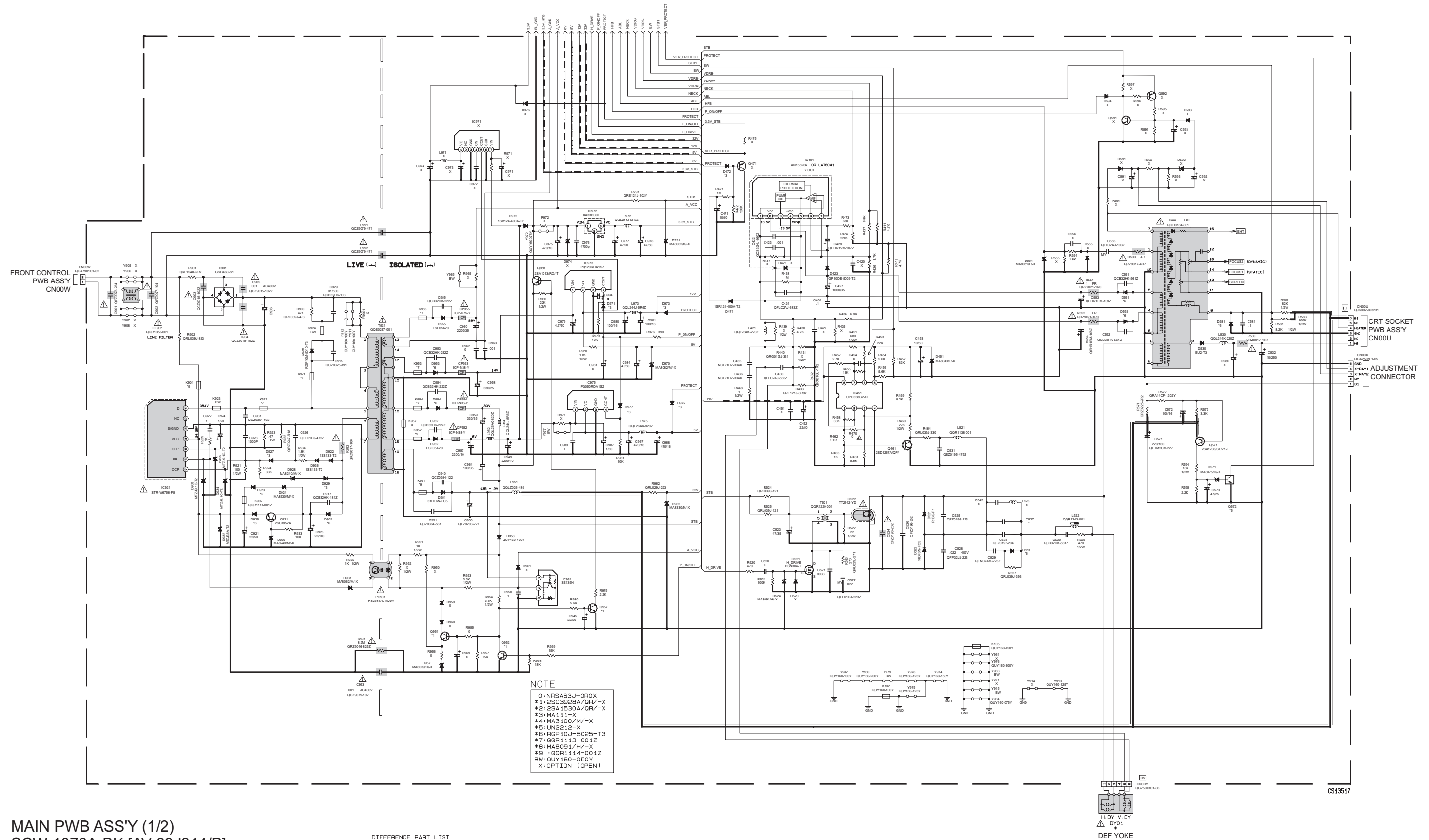
P.W. BOARD ASS'Y NAME	AV-29J314/B	AV-29J534/B
MAIN P.W. BOARD	SCW-1078A-BK	SCW-1080A-BK
CRT SOCKET P.W. BOARD	SCW-3008A-BK	←
FRONT CONTROL P.W. BOARD	SCW-8008A-BK	←

## BLOCK DIAGRAM





MAIN PWB CIRCUIT DIAGRAM [AV-29J314/B] (2/2)



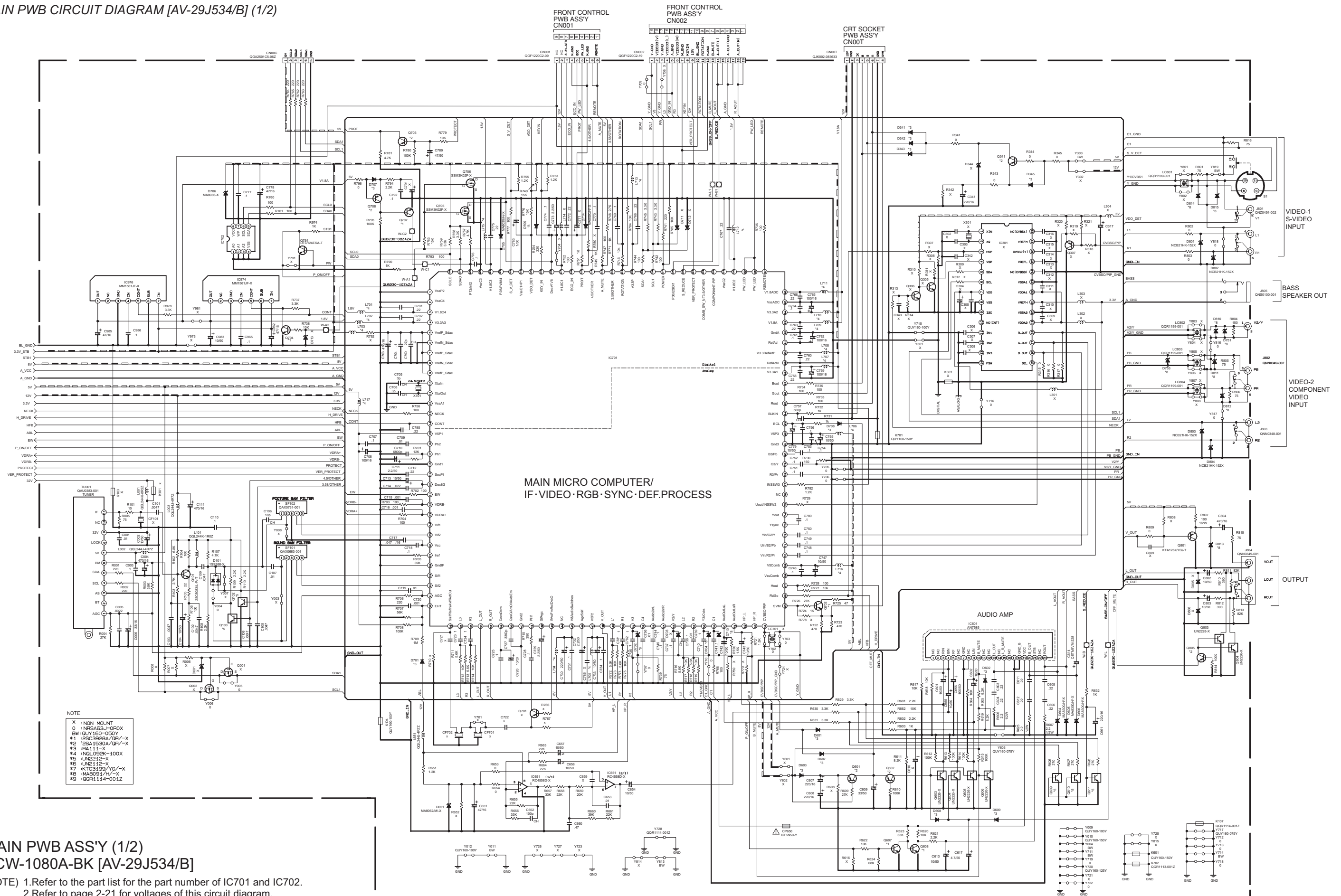
MAIN PWB ASS'Y (1/2)  
SCW-1078A-BK [AV-29J314/B]

NOTE) 1.Refer to page 2-21 for voltages of this circuit diagram.  
2.Refer to page 2-22 for waveforms of this circuit diagram.

[illegible]

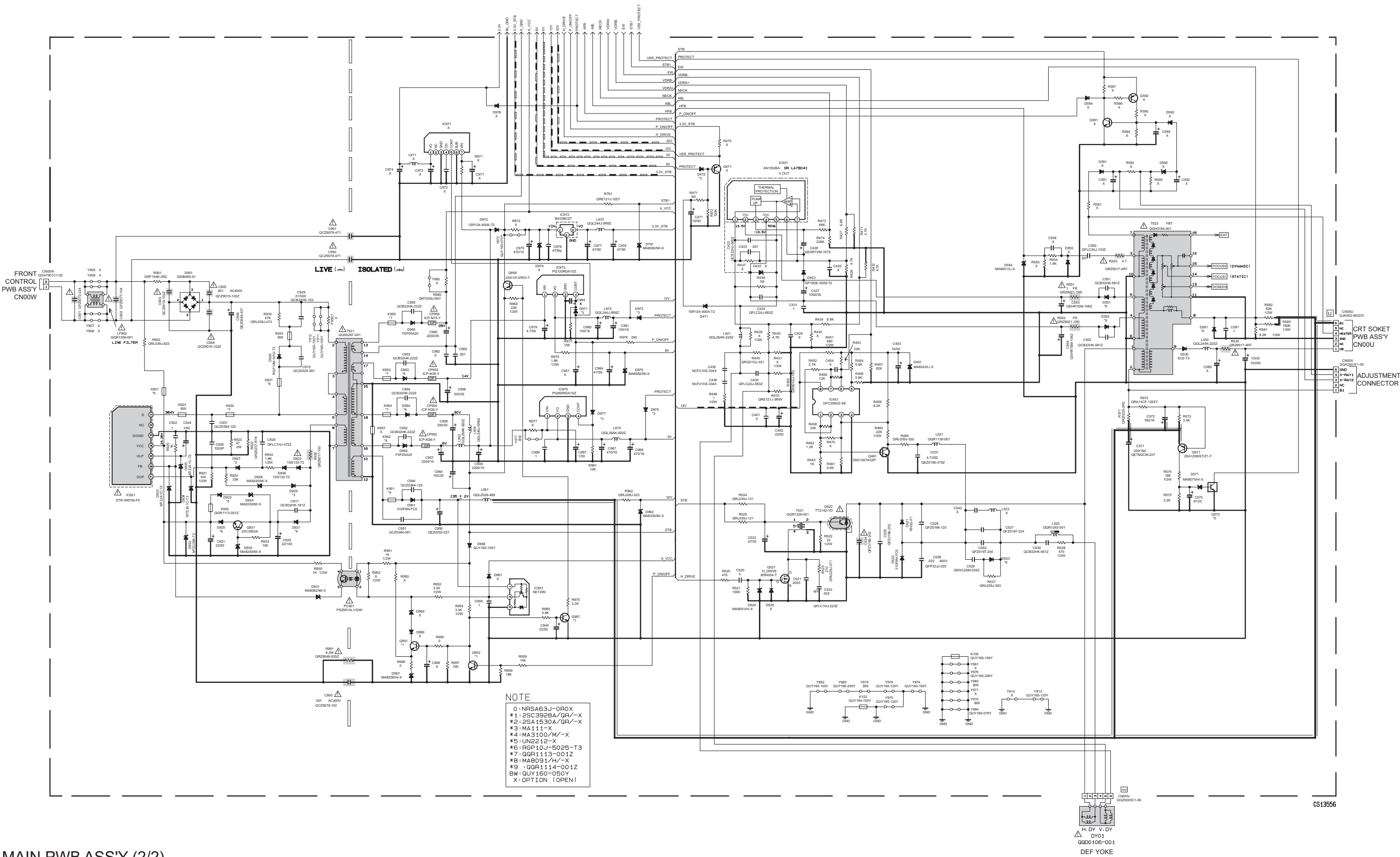


MAIN PWB CIRCUIT DIAGRAM [AV-29J534/B] (1/2)



CS13556

MAIN PWB CIRCUIT DIAGRAM [AV-29J534/B] (2/2)



MAIN PWB ASS'Y (2/2)  
SCW-1080A-BK [AV-29J534/B]

NOTE) 1.Refer to page 2-21 for voltages of this circuit diagram.  
2.Refer to page 2-22 for waveforms of this circuit diagram.

The schematic diagram illustrates the internal circuitry of a color television receiver, model TDA6107AJF/N1. The diagram is divided into several functional sections:

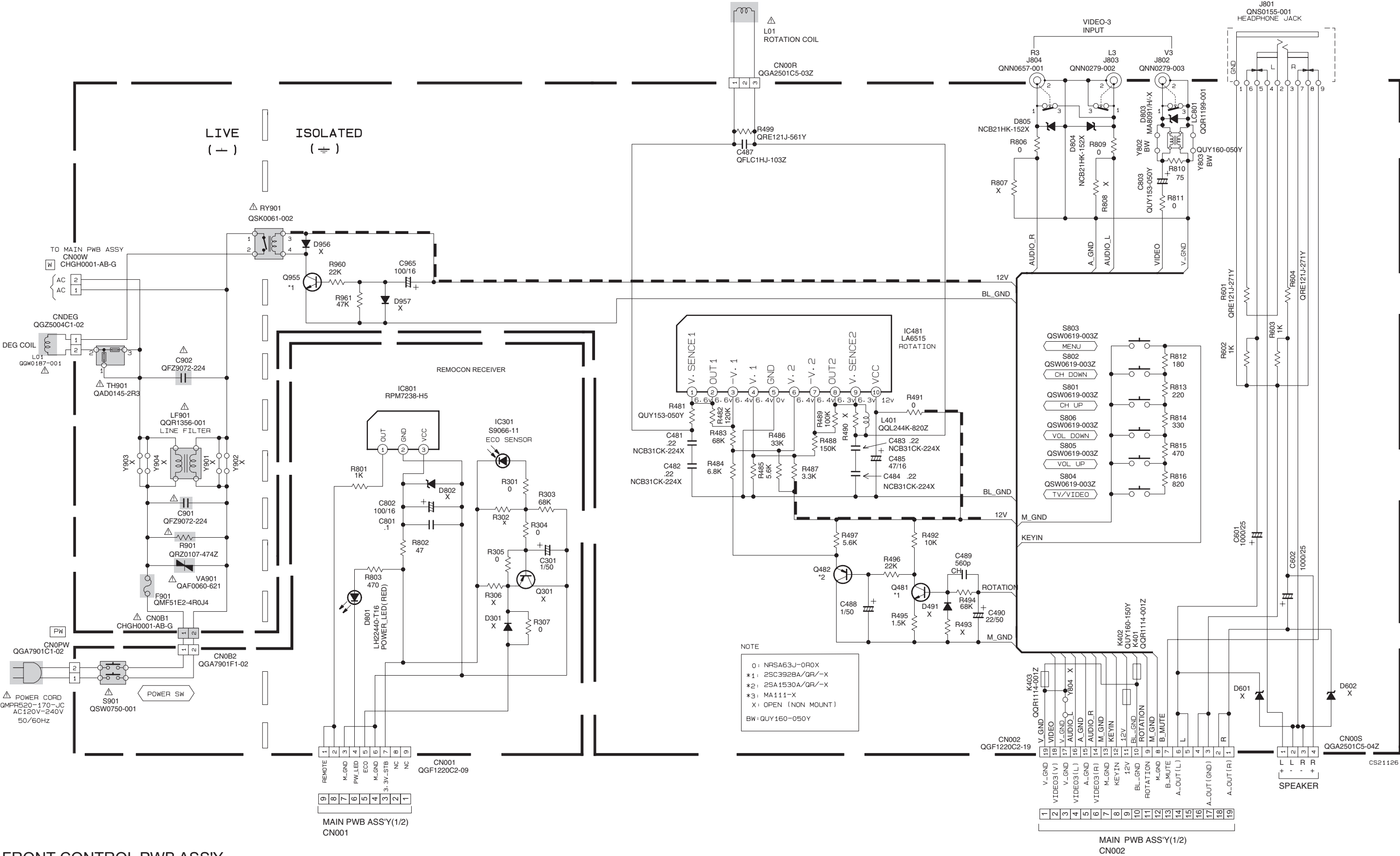
- Video Processor Section:** This section includes the IC351 (TDA6107AJF/N1) and its associated components. It features a pinout table for the IC:
 

Pin	Signal
1	Bin
2	Gin
3	Rin
4	GND
5	Ik
6	VCC
7	Ro
8	Go
9	Bo

 The video processor section includes various resistors (R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R371, R372, R373, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800, R801, R802, R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900, R901, R902, R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000, R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R1010, R1011, R1012, R1013, R1014, R1015, R1016, R1017, R1018, R1019, R1020, R1021, R1022, R1023, R1024, R1025, R1026, R1027, R1028, R1029, R1030, R1031, R1032, R1033, R1034, R1035, R1036, R1037, R1038, R1039, R1040, R1041, R1042, R1043, R1044, R1045, R1046, R1047, R1048, R1049, R1050, R1051, R1052, R1053, R1054, R1055, R1056, R1057, R1058, R1059, R1060, R1061, R1062, R1063, R1064, R1065, R1066, R1067, R1068, R1069, R1070, R1071, R1072, R1073, R1074, R1075, R1076, R1077, R1078, R1079, R1080, R1081, R1082, R1083, R1084, R1085, R1086, R1087,

NOTE) 1.Refer to page 2-21 for voltages of this circuit diagram.  
2.Refer to page 2-22 for waveforms of this circuit diagram.

FRONT CONTROL PWB CIRCUIT DIAGRAM

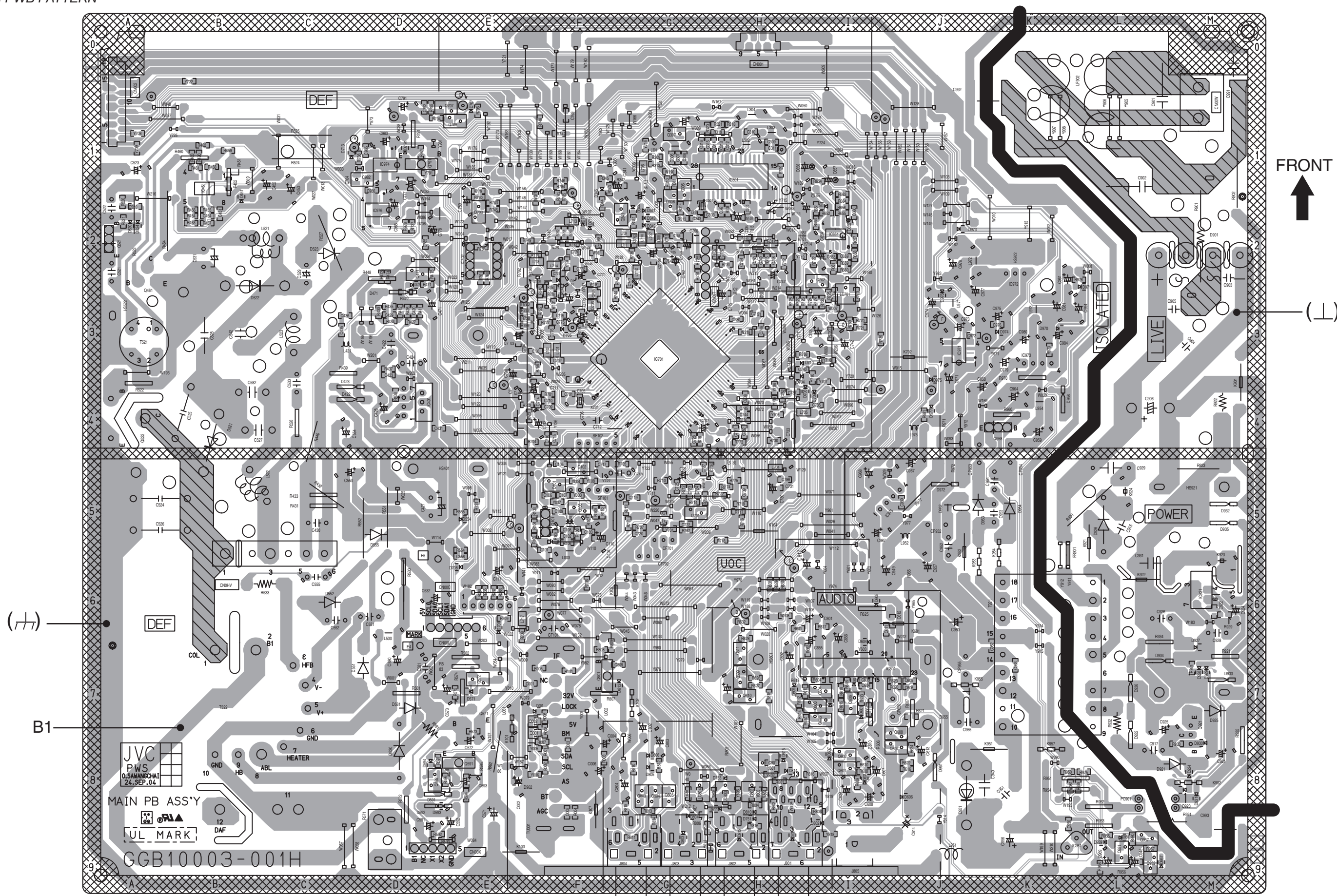


FRONT CONTROL PWB ASS'Y  
SCW-8008A-BK

NOTE) 1.Refer to page 2-21 for voltages of this circuit diagram.



PATTERN DIAGRAMS  
MAIN PWB PATTERN



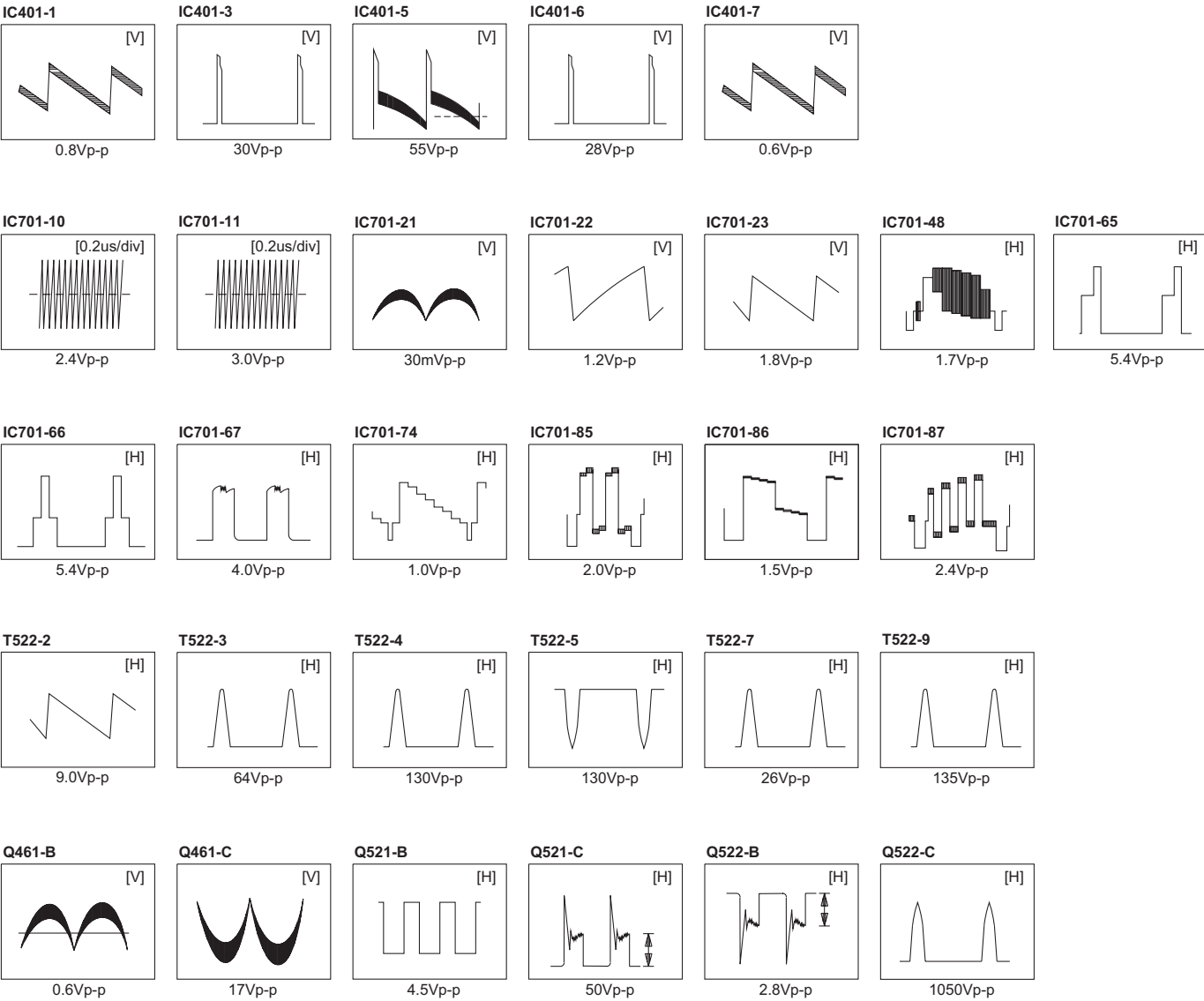


VOLTAGE CHARTS

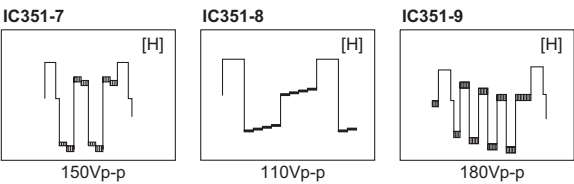
<MAIN PWB>		<CRT SOCKET PWB>		<FRONT CONTROL PWB>	
PIN NO.	VOLTAGE[V]	PIN NO.	VOLTAGE[V]	PIN NO.	VOLTAGE[V]
IC401		65	2.0	IC974	
1	0.5	66	0.3	1	0
2	13.8	67	1.6	2	0
3	-11.7	68	0	3	0
4	-13.3	69	4.9	4	0.5
5	0	70	1.3	5	2.9
6	14.1	71	1.4	6	0
7	0.6	72	1.3	7	3.2
IC451		73	1.9	IC976	
1	1.6	74	1.7	1	1.8
2	4.2	75	0.1	2	0
3	4.1	76	0	3	0
4	0	77	3.2	4	0.5
5	2.2	78	1.2	5	2.9
6	2.2	79	1.2	6	0
7	4.4	80	0	7	3.2
8	11.8	81	0	Q101	
IC601		82	4.9	E	2.1
1	0	83	2.3	C	11.6
2	0	84	3.7	B	2.9
3	31.0	85	1.9	Q102	
4	0	86	2.0	E	0
5	0	87	2.0	C	0
6	0	88	3.2	B	3.1
7	15.6	89	0	Q103	
8	0.6	90	3.2	E	0
9	0	91	1.5	C	0
10	32.4	92	0	B	3.1
11	19.1	93	1.8	Q461	
12	15.6	94	3.1	E	0
IC701		95	0	C	19.7
1	0	96	1.7	B	0.5
2	0	97	3.1	Q521	
3	1.7	98	0	E	0
4	3.2	99	0	C	0
5	3.2	100	1.8	B	1.6
6	0	101	0	Q522	
7	3.2	102	3.2	E	0
8	0	103	3.2	C	131.0
9	3.2	104	0.7	B	-0.1
10	1.6	105	0	Q571	
11	1.5	106	0	E	135.2
12	0	107	0	C	0
13	0	108	1.9	B	134.9
14	0	109	1.9	Q572	
15	0	110	3.2	E	0
16	1.9	111	1.6	C	3.2
17	0	112	3.2	B	0
18	0	113	0	Q601	
19	0	114	3.2	E	8.2
20	2.3	115	0	C	0.2
21	2.1	116	2.6	B	8.2
22	1.4	117	1.8	Q602	
23	1.4	118	1.8	E	0.2
24	1.9	119	3.2	C	-0.3
25	1.9	120	3.1	B	0
26	2.4	121	0	Q603	
27	2.0	122	3.2	E	0
28	0	123	0	C	0
29	1.9	124	1.8	B	-0.4
30	1.9	125	0	Q605	
31	2.0	126	3.2	E	0
32	1.8	127	3.1	C	0
33	0.6	128	3.1	B	-0.3
34	2.2	IC702		Q607	
35	2.1	1	0	E	0
36	0	2	0	C	0
37	3.5	3	0	B	0.6
38	2.3	4	0	Q608	
39	2.5	5	3.1	E	0
40	0	6	3.0	C	21.6
41	2.0	7	0	B	0
42	1.8	8	3.2	Q702	
43	2.0	IC921		E	1.3
44	0	1	297.5	C	4.7
45	8.3	3	0	B	2.0
46	0	4	19.9	Q703	
47	4.9	5	0.2	E	3.2
48	1.2	6	1.0	C	0
49	2.2	7	1.3	B	3.2
50	2.2	IC951		Q801	
51	1.4	1	135.3	E	1.9
52	1.6	2	24.9	C	0
53	2.2	3	0	B	1.2
54	2.2	IC972		Q803	
55	1.4	1	6.4	E	0
56	2.2	2	0	C	0
57	0	3	3.3	B	-0.4
58	0	IC973		Q804	
59	0	1	15.8	E	0
60	3.6	2	11.8	C	0
61	3.5	3	0	B	-0.5
62	3.6	4	2.8		
63	3.5				
64	0				

WAVEFORMS

-MAIN PWB-



-CRT SOCKET PWB-





Victor Company of Japan, Limited  
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan





# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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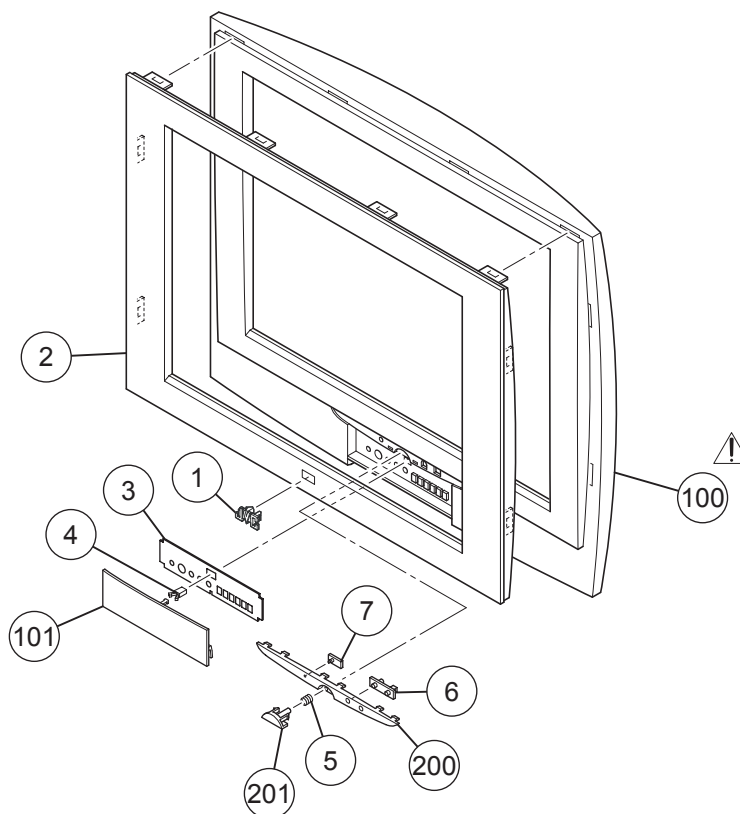
## USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-29J314/B	AV-29J534/B
MAIN P.W.B	SCW-1078A-BK	SCW-1080A-BK
CRT SOCKET P.W.B	SCW-3008A-BK	←
FRONT CONTROL P.W.B	SCW-8008A-BK	←
REMOTE CONTROL UNIT	RM-C1281-2H	←

## EXPLODED VIEW PARTS LIST -1

△ Ref.No.	Part No.	Part Name	Description	Local
1	GG30109-001A-H	JVC MARK		
2	GG10280-005A-H	FRONT PANEL		AV-29J314/B
2	GG10280-007A-H	FRONT PANEL		AV-29J534/B
3	GG20059-002A-H	OPERATION SHEET		
4	CM41861-00B	DOOR LATCH		
5	CM35235-009-H	SPRING		
6	GG30100-001A-H	LED LENS		
7	GG30099-001A-H	REMOCON LENS		
△ 100	GG10278-001C-H	FRONT CABINET ASS'Y	Inc.101	
101	GG20058-001B-H	DOOR		
200	GG20064-001A-H	CONTROL PANEL ASS'Y	Inc.201	
201	GG30098-001A-H	POWER KNOB		

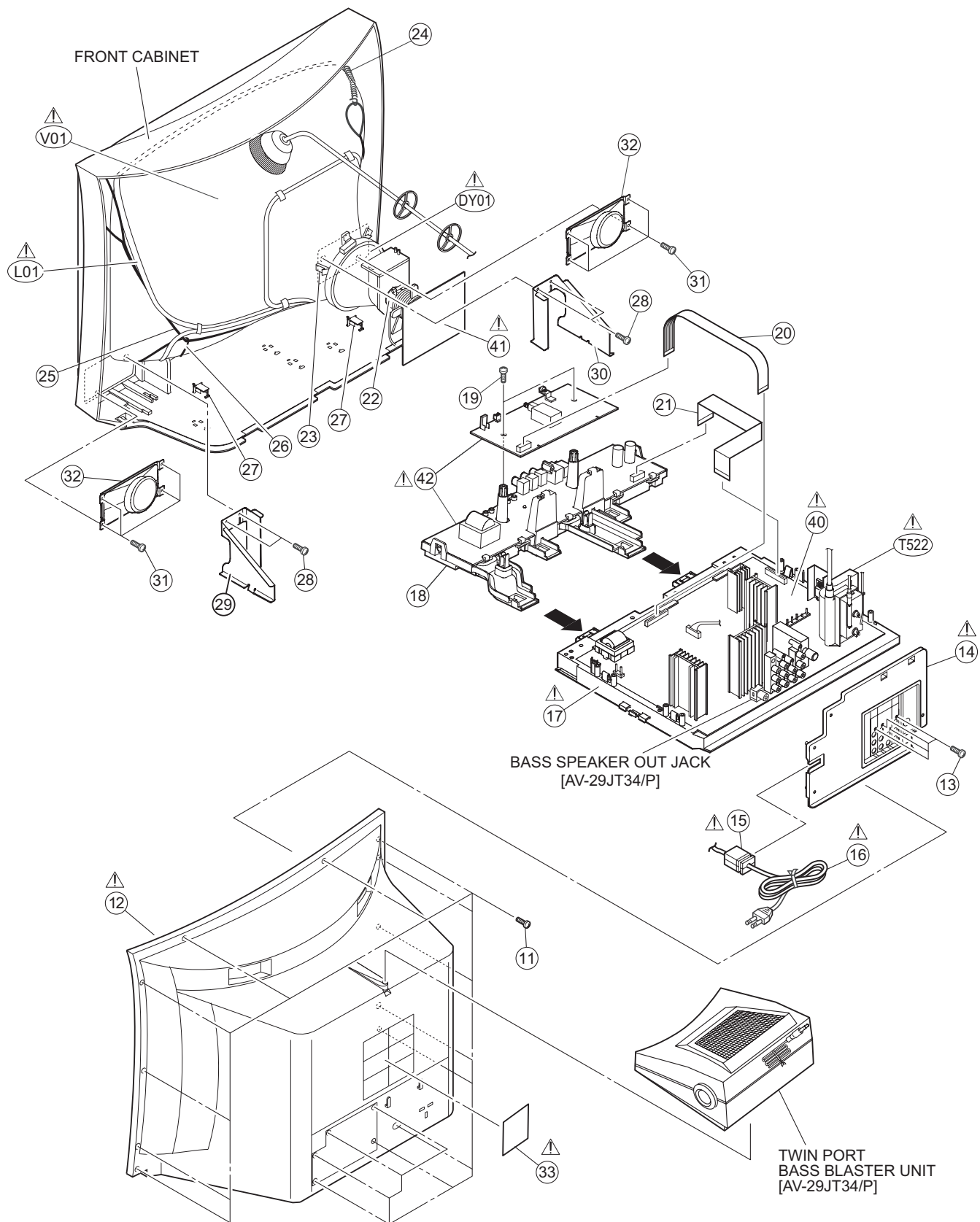
## EXPLODED VIEW -1



# EXPLODED VIEW PARTS LIST -2

△	Ref.No.	Part No.	Part Name	Description	Local
△	V01	A68LZU185X	PICTURE TUBE		
△	DY01	QQD0106-001	DEF YOKE		
△	L01	QQW0187-001	DEG COIL		
△	T522	QQH0184-001	FB TRANSF		
	11	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x16)	
△	12	GG10276-005A-H	REAR COVER		AV-29J314/B
△	12	GG10276-003A-H	REAR COVER		AV-29J534/B
	13	QYSBSF3012ZA	TAP SCREW	M3 x 12mm(x4)	
△	14	LC11064-001B-H	AV BOARD		AV-29J314/B
	14	LC11064-006A-H	AV BOARD		AV-29J534/B
△	15	CM23167-A01-H	POWER CORD CLAMP		
△	16	QMPR420-165-K2	POWER CORD	1.65m BLACK	
△	17	LC11061-001A-H	CHASSIS BASE		
	18	GG10277-001A-H	CONTROL BASE		
	19	QYSBSFG3012ZA	TAP SCREW	M3 x 12mm(x2)	
	20	QUQ212-0916CH	FFC WIRE	9pin 16cm	
	21	WJS0053-001A	E-FL/RBY		
	22	CE42568-00A	PC MAGNET		
	23	CE40764-00A	WEDGE ASS'Y	(x4)	
	24	A48457-3-H	SPRING		
	25	WJY0018-001A	BRAIDED ASS'Y		
	26	CHGB0017-0C	BRAIDED SUB ASS'Y	(x2)	
	27	LC30103-001B-H	CHASSIS ADAPTER	(x2)	
	28	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x4)	
	29	GG20065-001B-H	SUPPORT BRACKET		
	30	GG20065-002B-H	SUPPORT BRACKET		
	31	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x8)	
	32	QAS0139-001	SPEAKER	(x2) SP01,SP02	
△	33	GG20024-001B-H	RATING LABEL		
△	40	SCW-1078A-BK	MAIN PWB		AV-29J314/B
△	40	SCW-1080A-BK	MAIN PWB		AV-29J534/B
△	41	SCW-3008A-BK	CRP SOCKET PWB		
△	42	SCW-8008A-BK	FRONT CONTROL PWB		

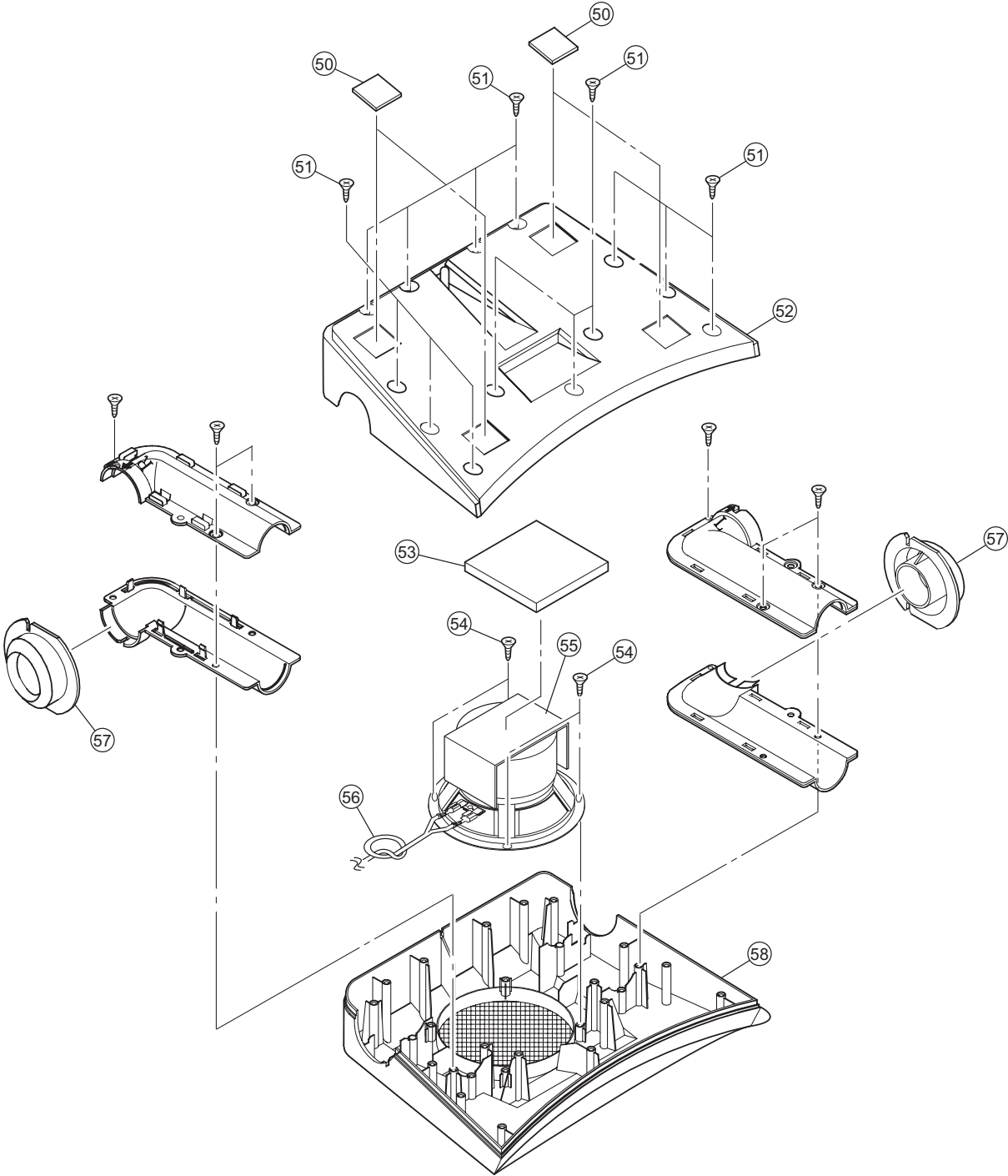
## EXPLODED VIEW -2



# EXPLODED VIEW PARTS LIST -3 [AV-29J534/B]

△ Ref.No.	Part No.	Part Name	Description	Local
50	LC40352-001A-H	RUBBER SHEET	(x4)	
51	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x13)	
52	GG10141-001C-H	BASS BOTTOM		
53	LC41211-001A	SOUND ABSORBER		
54	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x4)	
55	QAS0118-001	SPEAKER	SP03	
56	WJJ0266-002A	E-SIC WIRE C-C		
57	GG30022-001A-H	BASS DUCT R	(x2)	
58	GG10140-001C-H	BASS TOP		

## EXPLODED VIEW -3



# PRINTED WIRING BOARD PARTS LIST [AV-29J314/B]

## MAIN P.W. BOARD ASS'Y (SCW-1078A-BK)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC		D753	MA8091/H/-X	Z DIODE	
IC451	UPC358G2-XE	IC		D791	MA8062/M/-X	Z DIODE	
IC601	AN5277	IC		D801	NCB21HK-152X	C CAPACITOR	1500pF 50V K
IC701	TDA12027-ETV	IC(MCU)	(SERVICE)	D802	NCB21HK-152X	C CAPACITOR	1500pF 50V K
IC702	AT24C16-29VX74G	IC	(SERVICE)	D803	NCB21HK-152X	C CAPACITOR	1500pF 50V K
IC921	STR-W6756-F5	SW IC		D804	NCB21HK-152X	C CAPACITOR	1500pF 50V K
IC951	SE135N	IC		D810	MA8091/H/-X	Z DIODE	
IC972	BA33BC0T	REGULATOR IC		D811	MA8091/H/-X	Z DIODE	
IC973	PQ120RDA1SZ	IC		D812	MA8091/H/-X	Z DIODE	
IC974	MM1561JF-X	IC		D813	MA8091/H/-X	Z DIODE	
IC975	PQ050RDA1SZ	IC		D814	MA8091/H/-X	Z DIODE	
IC976	MM1561JF-X	IC		D815	MA8091/H/-X	Z DIODE	
Q101	2SC5083/L-P/-T	TRANSISTOR		D901	GSIB460-S1	BRIDGE DIODE	
Q341	2SA1530A/QR/-X	TRANSISTOR		D921	RGP10J-5025-T3	SI DIODE	
Q461	2SD1267A/QP/-	POW TRANSISTOR		D922	1SS133-T2	SI DIODE	
Q521	BSN304-T	TRANSISTOR		D923	MA111-X	SI DIODE	
△Q522	TT2142-YD	TRANSISTOR		D924	MA8330/M/-X	Z DIODE	
Q571	2SA1208/ST/Z1-T	TRANSISTOR		D925	RGP10J-5025-T3	SI DIODE	
Q572	UN2212-X	DIGI TRANSISTOR		D926	RGP10M-5010-T3	SI DIODE	
Q601	2SA1530A/QR/-X	TRANSISTOR		D927	MA111-X	SI DIODE	
Q602	2SA1530A/QR/-X	TRANSISTOR		D928	MA8240/M/-X	Z DIODE	
Q603	UN2226-X	DIGI TRANSISTOR		D929	MA111-X	SI DIODE	
Q605	UN2226-X	DIGI TRANSISTOR		D930	MA8240/M/-X	Z DIODE	
Q607	2SC3928A/QR/-X	TRANSISTOR		D931	MA8062/M/-X	Z DIODE	
Q608	2SC3928A/QR/-X	TRANSISTOR		D932	MTZJ36A-T2	Z DIODE	
Q609	UN2212-X	DIGI TRANSISTOR		D933	MTZJ9.1C-T2	Z DIODE	
Q611	UN2212-X	DIGI TRANSISTOR		D934	MTZJ9.1C-T2	Z DIODE	
Q701	2SA1530A/QR/-X	TRANSISTOR		D935	MTZJ9.1C-T2	Z DIODE	
Q702	2SC3928A/QR/-X	TRANSISTOR		D936	1SS133-T2	SI DIODE	
Q703	2SA1530A/QR/-X	TRANSISTOR		D951	31DF6N-FC5	SI DIODE	
Q704	2SC3928A/QR/-X	TRANSISTOR		D952	FSF05A20	SI DIODE	
Q705	SSM3K02F-X	MOS FET		D953	RGP10J-5025-T3	SI DIODE	
Q706	SSM3K02F-X	MOS FET		D954	RGP10J-5025-T3	SI DIODE	
Q707	2SC3928A/QR/-X	TRANSISTOR		D955	FSF05A20	SI DIODE	
Q708	2SA1530A/QR/-X	TRANSISTOR		D957	MA8039/H/-X	Z DIODE	
Q791	DTC124ESA-T	DIGI TRANSISTOR		D959	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Q801	KTA1267/YG-T	TRANSISTOR		D960	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Q803	UN2226-X	DIGI TRANSISTOR		D962	MA8330/M/-X	Z DIODE	
Q804	UN2226-X	DIGI TRANSISTOR		D970	MA8082/M/-X	Z DIODE	
Q805	2SA1530A/QR/-X	TRANSISTOR		D971	MA111-X	SI DIODE	
Q921	2SC3852A	POW TRANSISTOR		D972	1SR124-400A-T2	SI DIODE	
Q951	2SC3928A/QR/-X	TRANSISTOR		D973	MA111-X	SI DIODE	
Q952	2SC3928A/QR/-X	TRANSISTOR		D975	MA111-X	SI DIODE	
Q957	2SC3928A/QR/-X	TRANSISTOR		D977	MA111-X	SI DIODE	
Q958	2SA1013/RO/-T	TRANSISTOR		C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D341	MA111-X	SI DIODE		C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D342	MA111-X	SI DIODE		C003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D343	MA111-X	SI DIODE		C004	QETN1CM-477Z	E CAPACITOR	470uF 16V M
D345	MA111-X	SI DIODE		C005	NCB31HK-222X	C CAPACITOR	2200pF 50V K
D422	MTZJ75-T2	Z DIODE		C006	QETN1CM-336Z	E CAPACITOR	33uF 16V M
D423	GP10DE-5009-T2	SI DIODE		C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
D451	MA8043/L/-X	Z DIODE		C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K
D471	1SR124-400A-T2	SI DIODE		C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
D472	MA111-X	SI DIODE		C104	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D521	RH3G-F1	SI DIODE		C106	NDC31HJ-180X	C CAPACITOR	18pF 50V J
D522	31DF6N-FC5	SI DIODE		C109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D523	RGP10J-5025-T3	SI DIODE		C110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D524	MA8091/H/-X	Z DIODE		C111	QETN1CM-477Z	E CAPACITOR	470uF 16V M
D530	EU2-T3	SI DIODE		C341	QETN1CM-227Z	E CAPACITOR	220uF 16V M
D551	RGP10J-5025-T3	SI DIODE		C422	QCS32HJ-560Z	C CAPACITOR	56pF 500V J
D552	RGP10J-5025-T3	SI DIODE		C423	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
D554	MA8051/L/-X	Z DIODE		C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
D571	MA8075/H/-X	Z DIODE		C427	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
D581	RGP10J-5025-T3	SI DIODE		C428	QEHR1VM-107Z	E CAPACITOR	100uF 35V M
D601	MA111-X	SI DIODE		C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J
D603	MA111-X	SI DIODE		C431	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D604	MA8300/H/-X	Z DIODE		C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
D605	MA8300/H/-X	Z DIODE		C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
D607	MA111-X	SI DIODE		C452	QETN1HM-226Z	E CAPACITOR	22uF 50V M
D701	MA111-X	SI DIODE		C453	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D702	MA8091/H/-X	Z DIODE		C471	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D704	MA8091/H/-X	Z DIODE		C520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D705	MA8039/H/-X	Z DIODE		C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K
D706	MA8036-X	Z DIODE		C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
D707	MA111-X	SI DIODE		C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M
D708	MA111-X	SI DIODE		△C524	QFZ0196-202	MPP CAPACITOR	2000pF 1.5kV H
D709	MA111-X	SI DIODE		C525	QFZ0196-123	MPP CAPACITOR	0.012uF 1.5kV H
D710	MA8091/H/-X	Z DIODE		C526	QFZ0196-252	MPP CAPACITOR	2500pF 1.5kV H
D714	MA8030/H/-X	Z DIODE		C527	QFZ0197-224	MPP CAPACITOR	0.22uF 250V J
D751	MA8091/H/-X	Z DIODE		C528	QFP32JJ-223	PP CAPACITOR	0.022uF 630V J
				C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M
				C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
				C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M	C765	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C766	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C767	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C553	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	C768	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C554	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	C769	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	C770	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C571	QETM2CM-227	E CAPACITOR	220uF 160V M	C772	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C773	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C573	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C774	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C582	QFZ0197-204	MPP CAPACITOR	0.2uF 250V J	C776	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C777	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C602	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C778	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C603	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C779	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C604	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C780	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C605	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C781	NCB21CK-105X	C CAPACITOR	1uF 16V K
C606	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C782	NCB21CK-105X	C CAPACITOR	1uF 16V K
C607	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C783	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C608	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C785	NCB21EK-224X	C CAPACITOR	0.22uF 25V K
C609	QETN1HM-336Z	E CAPACITOR	33uF 50V M	C789	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C790	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C613	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C792	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C656	QETN1HM-107Z	E CAPACITOR	100uF 50V M	C802	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C661	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C803	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C701	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C804	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C702	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	△C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
C703	QETN1CM-477Z	E CAPACITOR	470uF 16V M	△C902	QFZ9077-104	MPP CAPACITOR	0.1uF 250V M
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△C903	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C705	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	△C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C706	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	△C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C707	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C906	QEZ0649-337	E CAPACITOR	330uF 400V M
C708	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C915	QCZ0325-391	C CAPACITOR	390pF 2kV K
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C917	QCB32HK-181Z	C CAPACITOR	180pF 500V K
C710	NCB31HK-682X	C CAPACITOR	6800pF 50V K	C921	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C711	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C922	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C712	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C924	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C713	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C925	QETN2AM-226Z	E CAPACITOR	22uF 100V M
C714	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	C926	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J
C715	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C928	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
C716	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C929	QCB32HK-103	C CAPACITOR	0.01uF 50V K
C717	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	C931	QCZ0364-102	C CAPACITOR	1000pF 2kV K
C718	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	C940	QCZ0364-122	C CAPACITOR	1200pF 2kV K
C719	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C945	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C720	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C949	QETN1AM-228Z	E CAPACITOR	2200uF 10V M
C721	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C950	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C722	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C951	QCZ0364-561	C CAPACITOR	560pF 2kV K
C723	NCB21CK-105X	C CAPACITOR	1uF 16V K	C952	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C724	NCB21CK-105X	C CAPACITOR	1uF 16V K	C953	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C954	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C727	NCB31HK-332X	C CAPACITOR	3300pF 50V K	C955	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C956	QEZ0203-227	E CAPACITOR	220uF 160V M
C729	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C957	QETN1AM-228Z	E CAPACITOR	2200uF 10V M
C730	QETN1HM-227Z	E CAPACITOR	220uF 50V M	C958	QETN1EM-337Z	E CAPACITOR	330uF 25V M
C731	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C959	QETN1VM-337Z	E CAPACITOR	330uF 35V M
C732	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C960	QETM1VM-228	E CAPACITOR	2200uF 35V M
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C962	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C734	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C963	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C735	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C964	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C965	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C737	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C967	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C738	NCB21CK-105X	C CAPACITOR	1uF 16V K	C968	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C739	NCB21CK-105X	C CAPACITOR	1uF 16V K	C975	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C740	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C976	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C741	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C977	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C742	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C978	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C979	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C744	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C980	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C745	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C746	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C982	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C747	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C983	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C748	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C984	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C749	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C985	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C750	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C986	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C751	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C987	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C752	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C989	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C753	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△C991	QCZ9079-471	C CAPACITOR	470pF AC250V K
C754	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△C992	QCZ9079-471	C CAPACITOR	470pF AC250V K
C755	QETN1HM-106Z	E CAPACITOR	10uF 50V M	△C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C756	NCB31HK-104X	C CAPACITOR	0.1uF 50V K				
C757	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R001	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C758	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C759	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R003	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C760	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R004	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C761	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C762	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R101	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C763	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R102	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C764	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R103	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R104	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R706	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R707	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R708	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R709	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R710	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R711	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R713	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R715	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R411	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R716	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R426	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R718	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R427	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R430	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R722	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R432	QRX01GJ-1R2	MF RESISTOR	1.2Ω 1W J	R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R433	QRE121J-3R9Y	C RESISTOR	3.9Ω 1/2W J	R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R434	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R725	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R438	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R726	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R440	QRG01GJ-331	OMF RESISTOR	330Ω 1W J	R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	R728	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R451	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	R730	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R452	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R453	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R454	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R455	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R456	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R457	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R458	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R737	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R459	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R738	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R460	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	R739	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R461	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R740	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R462	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R741	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R463	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R464	QRL039J-330	OMF RESISTOR	33Ω 3W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R471	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R472	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	R745	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R473	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R746	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R474	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R747	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R520	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R748	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R521	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R749	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J	R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R524	QRL039J-121	OMF RESISTOR	120Ω 3W J	R753	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R525	QRL039J-121	OMF RESISTOR	120Ω 3W J	R754	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R527	QRL039J-393	OMF RESISTOR	39kΩ 3W J	R755	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	R756	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R530	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
△R533	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	R758	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
△R551	QRZ9021-1R0	FUSI RESISTOR	1Ω 1W J	R759	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
△R552	QRZ9021-1R0	FUSI RESISTOR	1Ω 1W J	R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R554	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R571	QRZ0225-2R2	UNF RESISTOR	2.2Ω 7W K	R762	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R572	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R573	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R574	QRE121J-183Y	C RESISTOR	18kΩ 1/2W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R575	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R766	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	R767	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R582	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	R768	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	R771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R601	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R772	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R602	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R774	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R606	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	R776	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R607	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R609	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R780	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R611	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R781	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R612	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R782	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R783	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R620	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R785	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R621	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R790	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R791	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R623	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R792	QRE123J-330X	C RESISTOR	33Ω 1/2W J
R624	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R793	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R626	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R794	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R628	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R795	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R629	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R631	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R632	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R701	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R804	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R805	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R806	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R705	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R807	QRE121J-101Y	C RESISTOR	100Ω 1/2W J

△Ref No.	Part No.	Part Name	Description	Local
R809	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R810	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J
R811	NRSA63J-823X	MG RESISTOR	82kΩ	1/16W J
R812	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J
R813	NRSA63J-823X	MG RESISTOR	82kΩ	1/16W J
R814	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J
R815	NRSA63J-750X	MG RESISTOR	75Ω	1/16W J
R816	NRSA63J-750X	MG RESISTOR	75Ω	1/16W J
R901	QRF154K-2R2	UNF WW RESISTOR	2.2Ω	15W K
R902	QRL039J-823	OMF RESISTOR	82kΩ	3W J
R921	QRE121J-101Y	C RESISTOR	100Ω	1/2W J
R922	QRZ0237-R18	UNF WW RESISTOR	0.18Ω	3W J
R923	QRT029J-R47	MF RESISTOR	0.47Ω	2W J
R924	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J
R929	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J
R930	QRL039J-473	OMF RESISTOR	47kΩ	3W J
△R932	QRZ9017-100	FUSI RESISTOR	10Ω	1/4W J
R933	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R934	QRE121J-182Y	C RESISTOR	1.8kΩ	1/2W J
R935	QRE121J-102Y	C RESISTOR	1kΩ	1/2W J
R951	QRE121J-102Y	C RESISTOR	1kΩ	1/2W J
R953	QRE121J-332Y	C RESISTOR	3.3kΩ	1/2W J
R954	QRE121J-332Y	C RESISTOR	3.3kΩ	1/2W J
R955	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R956	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R957	NRSA63J-153X	MG RESISTOR	15kΩ	1/16W J
R958	NRSA63J-183X	MG RESISTOR	18kΩ	1/16W J
R959	NRSA63J-153X	MG RESISTOR	15kΩ	1/16W J
R960	QRE121J-223Y	C RESISTOR	22kΩ	1/2W J
R962	QRL029J-223	OMF RESISTOR	22kΩ	2W J
R970	QRE121J-182Y	C RESISTOR	1.8kΩ	1/2W J
R973	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R974	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J
R975	NRSA63J-222X	MG RESISTOR	2.2kΩ	1/16W J
R976	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J
R978	NRSA63J-332X	MG RESISTOR	3.3kΩ	1/16W J
R980	NRSA63J-562X	MG RESISTOR	5.6kΩ	1/16W J
R981	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
△R991	QRZ9046-825Z	C RESISTOR	8.2MΩ	1/2W K
L001	QQL244K-8R2Z	PEAKING COIL	8.2uH	K
L002	QQL244J-4R7Z	PEAKING COIL	4.7uH	J
L003	QQL244J-4R7Z	PEAKING COIL	4.7uH	J
L101	QQL244K-1R0Z	PEAKING COIL	1uH	K
L421	QQL26AK-220Z	CHOKE COIL	22uH	K
L521	QQR1138-001	CHOKE COIL		
L522	QQR1243-001	LINEARITY COIL		
L530	QQL244K-220Z	PEAKING COIL	22uH	K
L701	NQL092K-100X	COIL	10uH	K
L702	NQL092K-100X	COIL	10uH	K
L703	NQL092K-100X	COIL	10uH	K
L704	NQL092K-100X	COIL	10uH	K
L705	NQL092K-100X	COIL	10uH	K
L706	NQL092K-100X	COIL	10uH	K
L707	NQL092K-100X	COIL	10uH	K
L708	NQL092K-100X	COIL	10uH	K
L709	NQL092K-100X	COIL	10uH	K
L710	NQL092K-100X	COIL	10uH	K
L711	NQL092K-100X	COIL	10uH	K
L712	NQL092K-100X	COIL	10uH	K
L713	NQL092K-100X	COIL	10uH	K
L714	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
L715	NQL092K-100X	COIL	10uH	K
L716	NQL092K-100X	COIL	10uH	K
L717	NQL092K-100X	COIL	10uH	K
L951	QQLZ034-480	HEATER CHOKE	48uH	
L952	QQL26AK-820Z	CHOKE COIL	82uH	K
L954	QQL244J-5R6Z	COIL	5.6uH	J
L972	QQL244J-5R6Z	COIL	5.6uH	J
L973	QQL244J-5R6Z	COIL	5.6uH	J
L975	QQL26AK-820Z	CHOKE COIL	82uH	K
T521	QQR1229-001	DRIVE TRANSF		
△T921	QQS0267-001	SW TRANSF		
△PC901	PS2581AL1/QW/	PHOTO COUPLER		
CF701	QAX0694-001Z	C FILTER	5.742MHz	
CF702	QAX0694-001Z	C FILTER	5.742MHz	
△CP650	ICP-N38-Y	IC PROTECTOR	1.5A	
△CP952	ICP-N38-Y	IC PROTECTOR	1.5A	
△CP953	ICP-N38-Y	IC PROTECTOR	1.5A	
△CP954	ICP-N38-Y	IC PROTECTOR	1.5A	
△CP955	ICP-N75-Y	IC PROTECTOR	2.7A	
J801	QNZ0454-002	PIN JACK	VIDEO1 IN	
J802	QNN0349-002	PIN JACK	COMP/VIDEO2 IN	
J803	QNN0348-001	PIN JACK	VIDEO2 L R IN	
J804	QNN0349-001	PIN JACK	OUTPUT	

△Ref No.	Part No.	Part Name	Description	Local
K107	QQR1114-001Z	FERRITE BEADS		
K702	QQR1113-001Z	FERRITE BEADS		
K901	QQR1114-001Z	FERRITE BEADS		
K902	QQR1113-001Z	FERRITE BEADS		
K921	QQR1114-001Z	FERRITE BEADS		
K922	QQR1113-001Z	FERRITE BEADS		
K951	QQR1114-001Z	FERRITE BEADS		
K952	QQR1114-001Z	FERRITE BEADS		
K953	QQR1113-001Z	FERRITE BEADS		
K954	QQR1113-001Z	FERRITE BEADS		
K955	QQR1113-001Z	FERRITE BEADS		
LC801	QQR1199-001	EMI FILTER		
LC802	QQR1199-001	EMI FILTER		
LC803	QQR1199-001	EMI FILTER		
LC804	QQR1199-001	EMI FILTER		
△LF902	QQR1356-001	LINE FILTER		
SF102	QAX0864-001	FILT		
TU001	QAU0383-001	TUNER		
X701	QAX0799-001Z	CRYSTAL		

## CRT SOCKET P.W. BOARD ASS'Y (SCW-3008A-BK)

△Ref No.	Part No.	Part Name	Description	Local
IC351	TDA6107AJF/N1	IC		
Q203	KTC3199/YG-T	TRANSISTOR		
Q204	KTC3199/YG-T	TRANSISTOR		
Q206	KTA1267/YG-T	TRANSISTOR		
Q208	2SA2005/DE/	POW TRANSISTOR		
Q209	2SC5511/DE/	POW TRANSISTOR		
D201	MA111-X	SI DIODE		
D202	MA111-X	SI DIODE		
D203	RGP10J-5025-T3	SI DIODE		
D204	RGP10J-5025-T3	SI DIODE		
D350	MA8075/M-X	Z DIODE		
D354	EU01N-T2	SI DIODE		
D355	EU01N-T2	SI DIODE		
D356	EU01N-T2	SI DIODE		
D357	EU01N-T2	SI DIODE		
C201	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C203	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C205	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C206	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C207	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J	
C209	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C211	NDC31HJ-821X	C CAPACITOR	820pF 50V J	
C212	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C213	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C214	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C215	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C216	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C217	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C218	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C219	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C220	QCS32HJ-680Z	C CAPACITOR	68pF 500V J	
C351	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C352	QETN2EM-475Z	E CAPACITOR	4.7uF 250V M	
C353	QFKC2EK-104Z	MM CAPACITOR	0.1uF 250V K	
C359	QCZ0131-222	C CAPACITOR	2200pF 2kV K	
R207	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R208	NRSA63J-153X	MG RESISTOR	15kΩ	1/16W J
R209	NRSA63J-152X	MG RESISTOR	1.5kΩ	1/16W J
R210	NRSA63J-272X	MG RESISTOR	2.7kΩ	1/16W J
R211	NRSA63J-152X	MG RESISTOR	1.5kΩ	1/16W J
R212	NRSA63J-151X	MG RESISTOR	150Ω	1/16W J
R213	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J
R214	QRJ146J-100X	UNF C RESISTOR	10Ω	1/4W J
R219	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J
R220	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J
R221	NRSA63J-122X	MG RESISTOR	1.2kΩ	1/16W J
R222	QRE121J-563Y	C RESISTOR	56kΩ	1/2W J
R223	QRE121J-563Y	C RESISTOR	56kΩ	1/2W J
R224	NRSA63J-122X	MG RESISTOR	1.2kΩ	1/16W J
R225	NRSA63J-390X	MG RESISTOR	39Ω	1/16W J
R226	QRE121J-2R7Y	C RESISTOR	2.7Ω	1/2W J
R227	QRE121J-2R7Y	C RESISTOR	2.7Ω	1/2W J
R228	NRSA63J-390X	MG RESISTOR	39Ω	1/16W J
R229	QRE121J-121Y	C RESISTOR	120Ω	1/2W J
R232	QRL029J-391	OMF RESISTOR	390Ω	2W J

△Ref No.	Part No.	Part Name	Description Local
R351	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R355	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R356	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R357	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R358	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R359	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
△R369	QRZ9023-1R0	FUSI RESISTOR	1Ω 2W J
R374	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
L351	QQL244J-5R6Z	COIL	5.6uH J
△FR201	QRZ9021-561	FUSI RESISTOR	560Ω 1W J
K201	CE41492-001Z	CHOKE COIL	
K202	CE41492-001Z	CHOKE COIL	
K203	CE41492-001Z	CHOKE COIL	
K205	CE41832-001	LEAD CORE	
K206	CE41832-001	LEAD CORE	
K208	QQR1113-001Z	FERRITE BEADS	
△SK351	QNZ0536-001	CRT SOCKET	

### FRONT CONTROL P.W. BOARD ASS'Y (SCW-8008A-BK)

△Ref No.	Part No.	Part Name	Description Local
IC301	S9066-11	PHOTO CONDUCTOR	
IC481	LA6515	IC	
IC801	RPM7238-H5	IR DETECT UNIT	
Q481	2SC3928A/QR/-X	TRANSISTOR	
Q482	2SA1530A/QR/-X	TRANSISTOR	
Q955	2SC3928A/QR/-X	TRANSISTOR	
D801	LH22440-T16	LED	POWER
D804	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D805	NCB21HK-152X	C CAPACITOR	1500pF 50V K
C301	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C481	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C482	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C483	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C484	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C485	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C487	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J
C488	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C489	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C601	QETM1VM-108	E CAPACITOR	1000uF 35V M
C602	QETM1VM-108	E CAPACITOR	1000uF 35V M
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C802	QETN1CM-107Z	E CAPACITOR	100uF 16V M
△C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
△C902	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
C965	QETN1CM-107Z	E CAPACITOR	100uF 16V M
R301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R303	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R482	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R483	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R484	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R485	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R486	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R487	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R488	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R489	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R491	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R492	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R494	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R495	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R496	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R497	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R499	QRE121J-561Y	C RESISTOR	560Ω 1/2W J
R601	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R604	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R801	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R802	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R803	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local
R806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R812	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R813	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R814	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R815	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R816	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
△R901	QRZ0111-474	C RESISTOR	470kΩ 1/2W K
R960	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R961	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
L401	QQL244K-820Z	PEAKING COIL	82uH K
△F901	QMF51E2-4R0J4	FUSE	4A AC250V
J801	QNS0155-001	3.5 JACK	HEADPHONE
J802	QNN0279-003	PIN JACK	VIDEO3 V IN
J803	QNN0279-002	PIN JACK	VIDEO3 L IN
J804	QNN0657-001	PIN JACK	VIDEO3 R IN
K401	QQR1114-001Z	FERRITE BEADS	
LC801	QQR1199-001	EMI FILTER	
△LF901	QQR1356-001	LINE FILTER	
△RY901	QSK0061-002	RELAY	
S801	QSW0619-003Z	TACT SWITCH	CH+
S802	QSW0619-003Z	TACT SWITCH	CH-
S803	QSW0619-003Z	TACT SWITCH	MENU
S804	QSW0619-003Z	TACT SWITCH	TV/VIDEO
S805	QSW0619-003Z	TACT SWITCH	VOL+
S806	QSW0619-003Z	TACT SWITCH	VOL-
△S901	QSW0750-001	PUSH SWITCH	POWER
△TH901	QAD0145-2R3	P THERMISTOR	2.3Ω
△VA901	QAF0060-621	VARISTOR	620V
	LC41232-001A-H	EE HOLDER	
	LC30349-001A-H	LED HOLDER	

# PRINTED WIRING BOARD PARTS LIST [AV-29J534/B]

## MAIN P.W. BOARD ASS'Y (SCW-1080A-BK)

△Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC451	UPC358G2-XE	IC	
IC601	AN7585	IC	
IC651	RC4558D-X	IC	
IC701	TDA12027-ETV	IC(MCU)	(SERVICE)
IC702	AT24C16-29VS24	IC	(SERVICE)
IC921	STR-W6756-F5	SW IC	
IC951	SE135N	IC	
IC972	BA33BC0T	REGULATOR IC	
IC973	PQ120RDA1SZ	IC	
IC974	MM1561JF-X	IC	
IC975	PQ050RDA1SZ	IC	
IC976	MM1561JF-X	IC	
Q101	2SC5083/L-P/-T	TRANSISTOR	
Q341	2SA1530A/QR/-X	TRANSISTOR	
Q461	2SD1267A/QP/-	POW TRANSISTOR	
Q521	BSN304-T	TRANSISTOR	
△Q522	TT2142-YD	TRANSISTOR	
Q571	2SA1208/ST/Z1-T	TRANSISTOR	
Q572	UN2212-X	DIGI TRANSISTOR	
Q601	2SA1530A/QR/-X	TRANSISTOR	
Q602	2SA1530A/QR/-X	TRANSISTOR	
Q603	DTC323TK-X	DIGI TRANSISTOR	
Q604	DTC323TK-X	DIGI TRANSISTOR	
Q605	DTC323TK-X	DIGI TRANSISTOR	
Q606	DTC323TK-X	DIGI TRANSISTOR	
Q607	2SC3928A/QR/-X	TRANSISTOR	
Q608	2SC3928A/QR/-X	TRANSISTOR	
Q609	UN2212-X	DIGI TRANSISTOR	
Q610	UN2212-X	DIGI TRANSISTOR	
Q611	UN2212-X	DIGI TRANSISTOR	
Q702	2SC3928A/QR/-X	TRANSISTOR	
Q703	2SA1530A/QR/-X	TRANSISTOR	
Q704	2SC3928A/QR/-X	TRANSISTOR	
Q705	SSM3K02F-X	MOS FET	
Q706	SSM3K02F-X	MOS FET	
Q707	2SC3928A/QR/-X	TRANSISTOR	
Q708	2SA1530A/QR/-X	TRANSISTOR	
Q791	DTC124ESA-T	DIGI TRANSISTOR	
Q801	KTA1267/YG/-T	TRANSISTOR	
Q803	DTC323TK-X	DIGI TRANSISTOR	
Q804	DTC323TK-X	DIGI TRANSISTOR	
Q805	2SA1530A/QR/-X	TRANSISTOR	
Q921	2SC3852A	POW TRANSISTOR	
Q951	2SC3928A/QR/-X	TRANSISTOR	
Q952	2SC3928A/QR/-X	TRANSISTOR	
Q957	2SC3928A/QR/-X	TRANSISTOR	
Q958	2SA1013/RO/-T	TRANSISTOR	
D341	MA111-X	SI DIODE	
D342	MA111-X	SI DIODE	
D343	MA111-X	SI DIODE	
D345	MA111-X	SI DIODE	
D422	MTZJ75-T2	Z DIODE	
D423	GP10DE-5009-T2	SI DIODE	
D451	MA8043/L/-X	Z DIODE	
D471	1SR124-400A-T2	SI DIODE	
D472	MA111-X	SI DIODE	
D521	RH3G-F1	SI DIODE	
D522	31DF6N-FC5	SI DIODE	
D523	RGP10J-5025-T3	SI DIODE	
D524	MA8091/H/-X	Z DIODE	
D530	EU2-T3	SI DIODE	
D551	RGP10J-5025-T3	SI DIODE	
D552	RGP10J-5025-T3	SI DIODE	
D554	MA8051/L/-X	Z DIODE	
D571	MA8075/H/-X	Z DIODE	
D581	RGP10J-5025-T3	SI DIODE	
D601	MA111-X	SI DIODE	
D602	MA111-X	SI DIODE	
D603	MA111-X	SI DIODE	
D604	MA8300/H/-X	Z DIODE	
D605	MA8300/H/-X	Z DIODE	
D606	MA8300/H/-X	Z DIODE	
D607	MA111-X	SI DIODE	
D608	MA111-X	SI DIODE	
D609	MA111-X	SI DIODE	
D651	MA8062/M/-X	Z DIODE	
D701	MA111-X	SI DIODE	
D702	MA8091/H/-X	Z DIODE	
D704	MA8091/H/-X	Z DIODE	

△Ref No.	Part No.	Part Name	Description Local
D705	MA8039/H/-X	Z DIODE	
D706	MA8036-X	Z DIODE	
D707	MA111-X	SI DIODE	
D708	MA111-X	SI DIODE	
D709	MA111-X	SI DIODE	
D710	MA8091/H/-X	Z DIODE	
D714	MA8030/H/-X	Z DIODE	
D751	MA8091/H/-X	Z DIODE	
D753	MA8091/H/-X	Z DIODE	
D791	MA8062/M/-X	Z DIODE	
D801	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D802	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D803	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D804	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D810	MA8091/H/-X	Z DIODE	
D811	MA8091/H/-X	Z DIODE	
D812	MA8091/H/-X	Z DIODE	
D813	MA8091/H/-X	Z DIODE	
D814	MA8091/H/-X	Z DIODE	
D815	MA8091/H/-X	Z DIODE	
D901	GSIB460	BRIDGE DIODE	
D921	RGP10J-5025-T3	SI DIODE	
D922	1SS133-T2	SI DIODE	
D923	MA111-X	SI DIODE	
D924	MA8330/M/-X	Z DIODE	
D925	RGP10J-5025-T3	SI DIODE	
D926	RGP10M-5010-T3	SI DIODE	
D927	MA111-X	SI DIODE	
D928	MA8240/M/-X	Z DIODE	
D929	MA111-X	SI DIODE	
D930	MA8240/M/-X	Z DIODE	
D931	MA8062/M/-X	Z DIODE	
D932	MTZJ36A-T2	Z DIODE	
D933	MTZJ9.1C-T2	Z DIODE	
D934	MTZJ9.1C-T2	Z DIODE	
D935	MTZJ9.1C-T2	Z DIODE	
D936	1SS133-T2	SI DIODE	
D951	31DF6N-FC5	SI DIODE	
D952	FSF05A20	SI DIODE	
D953	RGP10J-5025-T3	SI DIODE	
D954	RGP10J-5025-T3	SI DIODE	
D955	FSF05A20	SI DIODE	
D957	MA8039/H/-X	Z DIODE	
D959	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D960	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D962	MA8330/M/-X	Z DIODE	
D970	MA8082/M/-X	Z DIODE	
D971	MA111-X	SI DIODE	
D972	1SR124-400A-T2	SI DIODE	
D973	MA111-X	SI DIODE	
D975	MA111-X	SI DIODE	
D977	MA111-X	SI DIODE	
C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C004	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C005	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C006	QETN1CM-336Z	E CAPACITOR	33uF 16V M
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C104	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C106	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C109	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C111	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C341	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C422	QCS32HJ-560Z	C CAPACITOR	56pF 500V J
C423	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
C427	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C428	QEHR1VM-107Z	E CAPACITOR	100uF 35V M
C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J
C431	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C452	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C453	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C471	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K
C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
△C524	QFZ0196-202	MPP CAPACITOR	2000pF 1.5kV H	C747	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C525	QFZ0196-123	MPP CAPACITOR	0.012uF 1.5kV H	C748	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C526	QFZ0196-252	MPP CAPACITOR	2500pF 1.5kV H	C749	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C527	QFZ0197-224	MPP CAPACITOR	0.22uF 250V J	C750	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C528	QFP32JJ-223	PP CAPACITOR	0.022uF 630V J	C751	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M	C752	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C753	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M	C754	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M	C755	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C756	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C757	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C553	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	C758	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C554	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	C759	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	C760	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C571	QETM2CM-227	E CAPACITOR	220uF 160V M	C761	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C762	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C573	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C763	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	C764	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C582	QFZ0197-204	MPP CAPACITOR	0.2uF 250V J	C765	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C766	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C602	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C767	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C603	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C768	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C604	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C769	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C605	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C770	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C606	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C772	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C607	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C773	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C608	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C774	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C609	QETN1HM-336Z	E CAPACITOR	33uF 50V M	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C611	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C776	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C612	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C777	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C613	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C778	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C614	QETM1VM-228	E CAPACITOR	2200uF 35V M	C779	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C617	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	C780	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C651	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C781	NCB21CK-105X	C CAPACITOR	1uF 16V K
C652	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C782	NCB21CK-105X	C CAPACITOR	1uF 16V K
C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C783	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C654	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C785	NCB21EK-224X	C CAPACITOR	0.22uF 25V K
C655	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C789	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C656	QETN1HM-107Z	E CAPACITOR	100uF 50V M	C790	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C657	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C792	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C658	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C802	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C660	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C803	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C661	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C804	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C701	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	△C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
C702	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	△C902	QFZ9077-104	MPP CAPACITOR	0.1uF 250V M
C703	QETN1CM-477Z	E CAPACITOR	470uF 16V M	△C903	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C705	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	△C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C706	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	C906	QEZ0649-337	E CAPACITOR	330uF 400V M
C707	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C915	QCZ0325-391	C CAPACITOR	390pF 2kV K
C708	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C917	QCB32HK-181Z	C CAPACITOR	180pF 500V K
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C921	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C710	NCB31HK-682X	C CAPACITOR	6800pF 50V K	C922	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C711	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C924	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C712	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C925	QETN2AM-226Z	E CAPACITOR	22uF 100V M
C713	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C926	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J
C714	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	C928	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
C715	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C929	QCB32HK-103	C CAPACITOR	0.01uF 500V K
C716	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C931	QCZ0364-102	C CAPACITOR	1000pF 2kV K
C717	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	C940	QCZ0364-122	C CAPACITOR	1200pF 2kV K
C718	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	C945	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C719	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C949	QETN1AM-228Z	E CAPACITOR	2200uF 10V M
C720	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C950	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C723	NCB21CK-105X	C CAPACITOR	1uF 16V K	C951	QCZ0364-561	C CAPACITOR	560pF 2kV K
C724	NCB21CK-105X	C CAPACITOR	1uF 16V K	C952	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C725	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C953	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C954	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C727	NCB31HK-332X	C CAPACITOR	3300pF 50V K	C955	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C956	QEZ0203-227	E CAPACITOR	220uF 160V M
C729	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C957	QETN1AM-228Z	E CAPACITOR	2200uF 10V M
C730	QETN1HM-227Z	E CAPACITOR	220uF 50V M	C958	QETN1EM-337Z	E CAPACITOR	330uF 25V M
C731	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C959	QETN1VM-337Z	E CAPACITOR	330uF 35V M
C732	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C960	QETM1VM-228	E CAPACITOR	2200uF 35V M
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C962	NRS463J-0R0X	MG RESISTOR	0Ω 1/16W J
C734	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C963	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C735	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C964	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C965	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C737	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C967	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C738	NCB21CK-105X	C CAPACITOR	1uF 16V K	C968	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C739	NCB21CK-105X	C CAPACITOR	1uF 16V K	C975	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C740	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C976	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C741	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C977	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C742	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C978	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C979	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C744	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C980	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C745	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C746	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C982	QETN1CM-476Z	E CAPACITOR	47uF 16V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C983	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R611	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C984	QETN1HM-476Z	E CAPACITOR	47uF 50V M	R612	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C985	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R613	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C986	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C987	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R615	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C989	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
△C991	QCZ9079-471	C CAPACITOR	470pF AC250V K	R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
△C992	QCZ9079-471	C CAPACITOR	470pF AC250V K	R619	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
△C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M	R620	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R001	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R621	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R003	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	R623	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R004	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R624	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R625	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R101	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R626	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R102	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R627	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R103	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R628	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R104	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R629	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R630	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R631	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R632	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R651	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R654	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R655	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R656	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R657	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R658	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R411	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R659	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J
R412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R660	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R426	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R661	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R427	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R662	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R430	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R663	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R432	QRX01GJ-1R2	MF RESISTOR	1.2Ω 1W J	R664	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R433	QRE121J-3R9Y	C RESISTOR	3.9Ω 1/2W J	R701	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R434	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R438	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R440	QRG01GJ-331	OMF RESISTOR	330Ω 1W J	R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	R705	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R451	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	R706	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R452	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R707	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R453	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R708	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R454	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R709	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R455	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R711	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R456	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R457	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R713	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R458	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R459	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R715	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R460	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	R716	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R461	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R462	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R718	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R463	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R464	QRL039J-330	OMF RESISTOR	33Ω 3W J	R720	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R471	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R721	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R472	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	R722	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R473	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R474	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R520	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R725	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R521	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R726	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J	R728	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R524	QRL039J-121	OMF RESISTOR	120Ω 3W J	R730	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R525	QRL039J-121	OMF RESISTOR	120Ω 3W J	R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R527	QRL039J-393	OMF RESISTOR	39kΩ 3W J	R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R530	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R533	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R551	QRZ9021-1R0	FUSI RESISTOR	1Ω 1W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R552	QRZ9021-1R0	FUSI RESISTOR	1Ω 1W J	R737	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R554	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R738	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R571	QRZ0225-2R2	UNF RESISTOR	2.2Ω 7W K	R739	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R572	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	R740	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R573	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R741	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R574	QRE121J-183Y	C RESISTOR	18kΩ 1/2W J	R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R575	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R582	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	R745	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	R746	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R601	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R747	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R602	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R748	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R749	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R605	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R606	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	R753	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R607	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	R754	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R609	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R755	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R756	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L651	QQL244J-4R7Z	PEAKING COIL	4.7uH J
R758	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	L701	NQL092K-100X	COIL	10uH K
R759	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	L702	NQL092K-100X	COIL	10uH K
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L703	NQL092K-100X	COIL	10uH K
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L704	NQL092K-100X	COIL	10uH K
R762	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L705	NQL092K-100X	COIL	10uH K
R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L706	NQL092K-100X	COIL	10uH K
R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L707	NQL092K-100X	COIL	10uH K
R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L708	NQL092K-100X	COIL	10uH K
R768	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L709	NQL092K-100X	COIL	10uH K
R771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L710	NQL092K-100X	COIL	10uH K
R772	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	L711	NQL092K-100X	COIL	10uH K
R773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L712	NQL092K-100X	COIL	10uH K
R774	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	L713	NQL092K-100X	COIL	10uH K
R775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R776	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	L715	NQL092K-100X	COIL	10uH K
R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L716	NQL092K-100X	COIL	10uH K
R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L717	NQL092K-100X	COIL	10uH K
R780	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	L951	QQL2034-480	HEATER CHOKE	48uH
R781	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L952	QQL26AK-820Z	CHOKE COIL	82uH K
R782	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	L954	QQL244J-5R6Z	COIL	5.6uH J
R783	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	L972	QQL244J-5R6Z	COIL	5.6uH J
R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L973	QQL244J-5R6Z	COIL	5.6uH J
R785	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L975	QQL26AK-820Z	CHOKE COIL	82uH K
R790	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	T521	QQR1229-001	DRIVE TRANSF	
R791	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	△T921	QQS0267-001	SW TRANSF	
R792	QRE123J-330X	C RESISTOR	33Ω 1/2W J				
R793	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	△PC901	PS2581AL1/QW/	PHOTO COUPLER	
R794	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J				
R795	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	△CP650	ICP-N50-Y	IC PROTECTOR	2.0A
R796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	△CP952	ICP-N38-Y	IC PROTECTOR	1.5A
R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	△CP953	ICP-N38-Y	IC PROTECTOR	1.5A
R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	△CP954	ICP-N38-Y	IC PROTECTOR	1.5A
R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	△CP955	ICP-N75-Y	IC PROTECTOR	2.7A
R804	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	J801	QNZ0454-002	PIN JACK	VIDEO1 IN
R805	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	J802	QNN0349-002	PIN JACK	COMP/VIDEO2 IN
R806	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	J803	QNN0348-001	PIN JACK	VIDEO2 L R IN
R807	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	J804	QNN0349-001	PIN JACK	OUTPUT
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	J805	QNS0100-001	3.5 JACK	BASS SPEAKER OUT
R810	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	K107	QQR1114-001Z	FERRITE BEADS	
R811	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	K702	QQR1113-001Z	FERRITE BEADS	
R812	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	K901	QQR1114-001Z	FERRITE BEADS	
R813	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	K902	QQR1113-001Z	FERRITE BEADS	
R814	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	K921	QQR1114-001Z	FERRITE BEADS	
R815	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	K922	QQR1113-001Z	FERRITE BEADS	
R816	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	K951	QQR1114-001Z	FERRITE BEADS	
R901	QRF154K-2R2	UNF WW RESISTOR	2.2Ω 15W K	K952	QQR1114-001Z	FERRITE BEADS	
R902	QRL039J-823	OMF RESISTOR	82kΩ 3W J	K953	QQR1113-001Z	FERRITE BEADS	
R921	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	K954	QQR1113-001Z	FERRITE BEADS	
R922	QRZ0237-R18	UNF WW RESISTOR	0.18Ω 3W J	K955	QQR1113-001Z	FERRITE BEADS	
R923	QRT029J-R47	MF RESISTOR	0.47Ω 2W J	LC801	QQR1199-001	EMI FILTER	
R924	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	LC802	QQR1199-001	EMI FILTER	
R929	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	LC803	QQR1199-001	EMI FILTER	
R930	QRL039J-473	OMF RESISTOR	47kΩ 3W J	LC804	QQR1199-001	EMI FILTER	
△R932	QRZ9017-100	FUSI RESISTOR	10Ω 1/4W J	△LF902	QQR1356-001	LINE FILTER	
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	SF102	QAX0731-001	SAW FILTER	
R934	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J	TU001	QAU0383-001	TUNER	
R935	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	X701	QAX0799-001Z	CRYSTAL	
R951	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J				
R953	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J				
R954	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J				
R955	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R956	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R957	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J				
R958	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J				
R959	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J				
R960	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J				
R962	QRL029J-223	OMF RESISTOR	22kΩ 2W J				
R965	QRT039J-R47	MF RESISTOR	0.47Ω 3W J				
R970	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J				
R973	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R974	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R975	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J				
R976	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J				
R978	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J				
R980	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J				
R981	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
△R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K				
L001	QQL244K-8R2Z	PEAKING COIL	8.2uH K				
L002	QQL244J-4R7Z	PEAKING COIL	4.7uH J				
L003	QQL244J-4R7Z	PEAKING COIL	4.7uH J				
L101	QQL244K-1R0Z	PEAKING COIL	1uH K				
L421	QQL26AK-220Z	CHOKE COIL	22uH K				
L521	QQR1138-001	CHOKE COIL					
L522	QQR1243-001	LINEARITY COIL					
L530	QQL244K-220Z	PEAKING COIL	22uH K				

## CRT SOCKET P.W. BOARD ASS'Y (SCW-3008A-BK)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

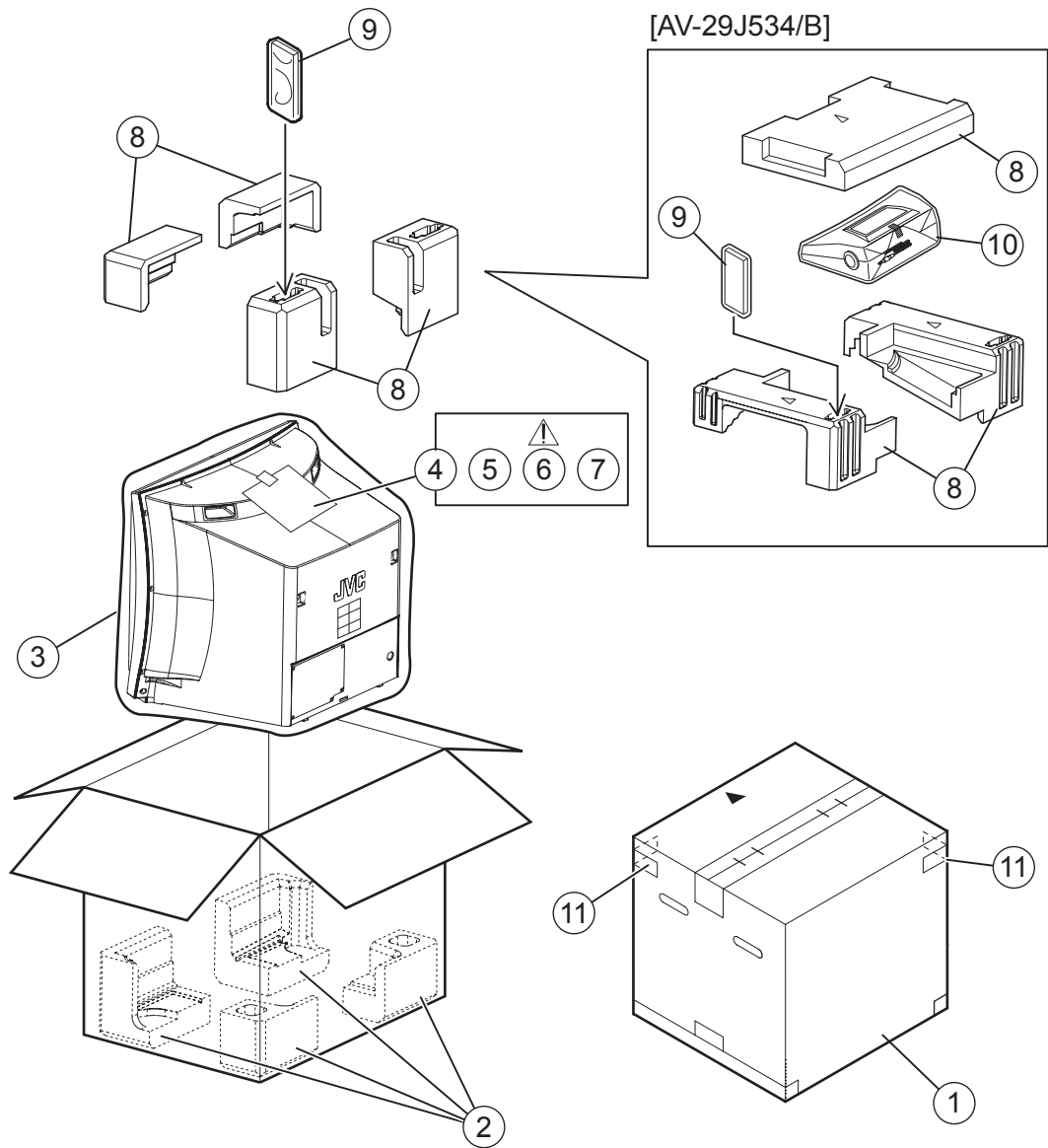
## FRONT CONTROL P.W. BOARD ASS'Y (SCW-8008A-BK)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

# REMOTE CONTROL UNIT PARTS LIST (RM-C1281-2H)

△ Ref No.	Part No.	Part Name	Description	Local
	R25-8566	BATTERY COVER		

## PACKING



## PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	GG10044-091A-H	PACKING CASE		AV-29J314/B
1	GG10044-098A-H	PACKING CASE		AV-29J534/B
2	GG10279-001A-H	BOTTOM CUSHION ASS'Y	4pcs in 1set	
3	GG30097-004A-H	POLY BAG		
4	GG30096-001A-H	POLY BAG		
5	-----	BATTERY	AA/R6 (x2)	
△ 6	GGT0041-001A-H	INST BOOK		
7	ATEAB001-00A	MATCHING BOX		
8	GG10289-001A-H	TOP CUSHION ASS'Y	4pcs in 1set	AV-29J314/B
8	GG10290-001A-H	TOP CUSHION ASS'Y	3pcs in 1set	AV-29J534/B
9	RM-C1281-2H	REMOCON UNIT		
10	GG30097-007A-H	POLY BAG		AV-29J534/B
11	GG20025-005A-H	CORNER LABEL	(x2)	



# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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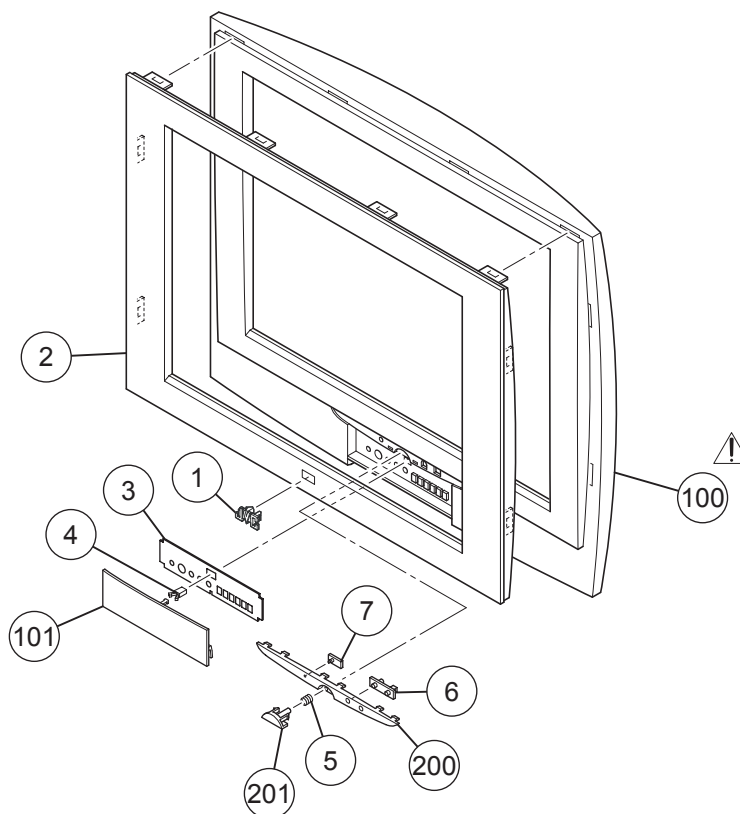
## USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-29J314/B	AV-29J534/B
MAIN P.W.B	SCW-1078A-BK	SCW-1080A-BK
CRT SOCKET P.W.B	SCW-3008A-BK	←
FRONT CONTROL P.W.B	SCW-8008A-BK	←
REMOTE CONTROL UNIT	RM-C1281-2H	←

## EXPLODED VIEW PARTS LIST -1

△ Ref.No.	Part No.	Part Name	Description	Local
1	GG30109-001A-H	JVC MARK		
2	GG10280-005A-H	FRONT PANEL		AV-29J314/B
2	GG10280-007A-H	FRONT PANEL		AV-29J534/B
3	GG20059-002A-H	OPERATION SHEET		
4	CM41861-00B	DOOR LATCH		
5	CM35235-009-H	SPRING		
6	GG30100-001A-H	LED LENS		
7	GG30099-001A-H	REMOCON LENS		
△ 100	GG10278-001C-H	FRONT CABINET ASS'Y	Inc.101	
101	GG20058-001B-H	DOOR		
200	GG20064-001A-H	CONTROL PANEL ASS'Y	Inc.201	
201	GG30098-001A-H	POWER KNOB		

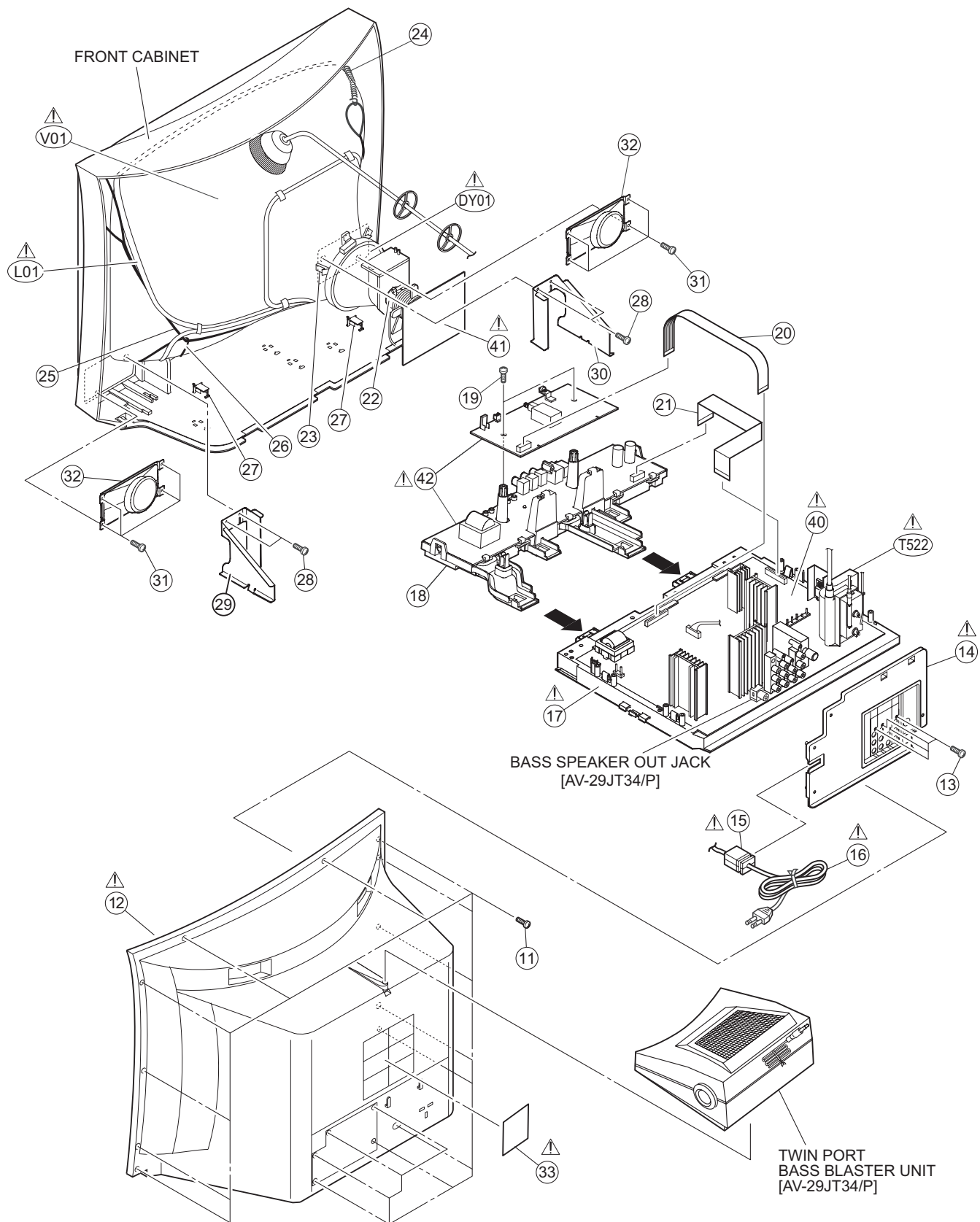
## EXPLODED VIEW -1



# EXPLODED VIEW PARTS LIST -2

△ Ref.No.	Part No.	Part Name	Description	Local
△ V01	A68LZU185X	PICTURE TUBE		
△ DY01	QQD0106-001	DEF YOKE		
△ L01	QQW0187-001	DEG COIL		
△ T522	QQH0184-001	FB TRANSF		
11	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x16)	
△ 12	GG10276-005A-H	REAR COVER		AV-29J314/B
△ 12	GG10276-003A-H	REAR COVER		AV-29J534/B
13	QYSBSF3012ZA	TAP SCREW	M3 x 12mm(x4)	
△ 14	LC11064-001B-H	AV BOARD		AV-29J314/B
14	LC11064-006A-H	AV BOARD		AV-29J534/B
△ 15	CM23167-A01-H	POWER CORD CLAMP		
△ 16	QMPR420-165-K2	POWER CORD	1.65m BLACK	
△ 17	LC11061-001A-H	CHASSIS BASE		
18	GG10277-001A-H	CONTROL BASE		
19	QYSBSFG3012ZA	TAP SCREW	M3 x 12mm(x2)	
20	QUQ212-0916CH	FFC WIRE	9pin 16cm	
21	WJS0053-001A	E-FL/RBY		
22	CE42568-00A	PC MAGNET		
23	CE40764-00A	WEDGE ASS'Y	(x4)	
24	A48457-3-H	SPRING		
25	WJY0018-001A	BRAIDED ASS'Y		
26	CHGB0017-0C	BRAIDED SUB ASS'Y	(x2)	
27	LC30103-001B-H	CHASSIS ADAPTER	(x2)	
28	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x4)	
29	GG20065-001B-H	SUPPORT BRACKET		
30	GG20065-002B-H	SUPPORT BRACKET		
31	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x8)	
32	QAS0139-001	SPEAKER	(x2) SP01,SP02	
△ 33	GG20024-001B-H	RATING LABEL		
△ 40	SCW-1078A-BK	MAIN PWB		AV-29J314/B
△ 40	SCW-1080A-BK	MAIN PWB		AV-29J534/B
△ 41	SCW-3008A-BK	CRP SOCKET PWB		
△ 42	SCW-8008A-BK	FRONT CONTROL PWB		

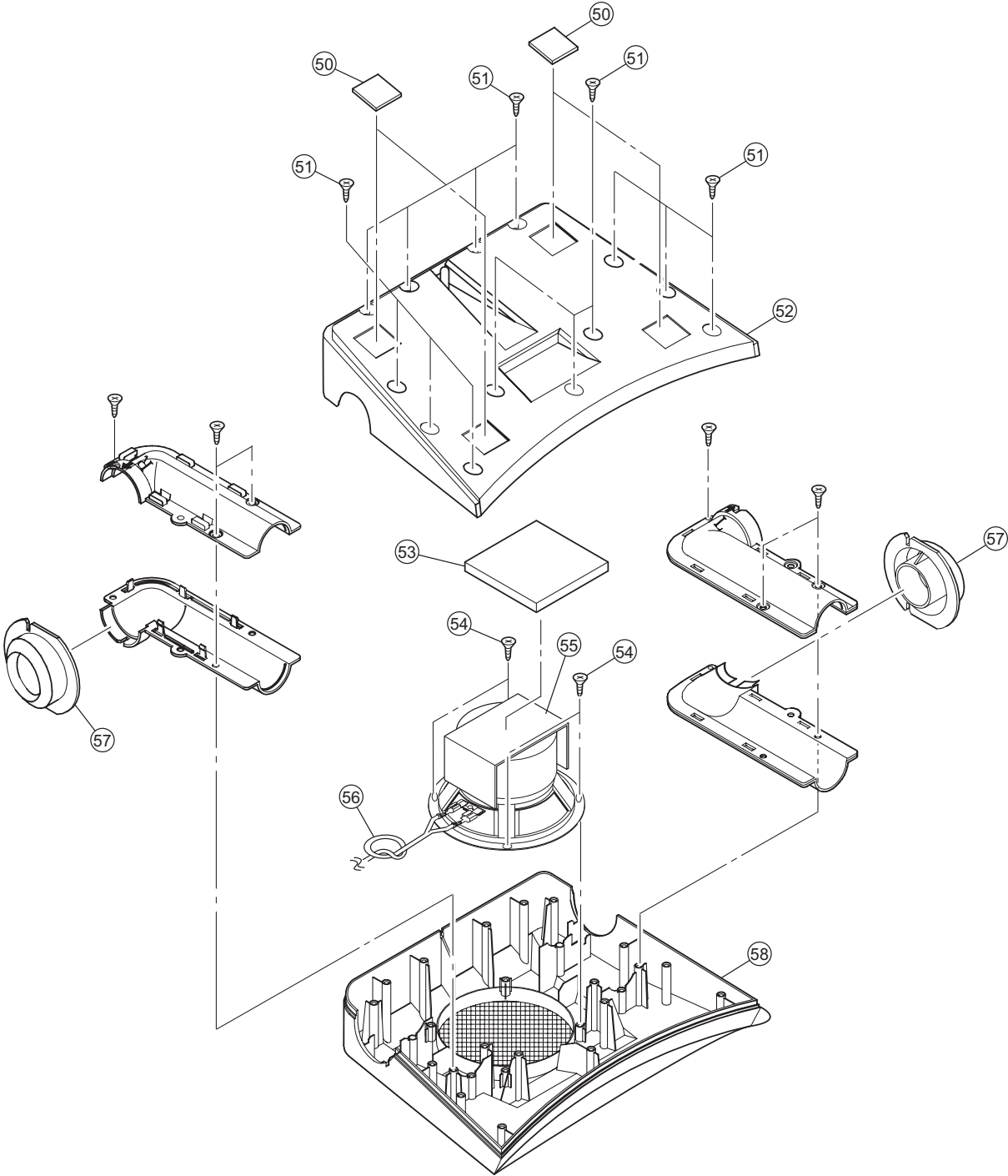
## EXPLODED VIEW -2



# EXPLODED VIEW PARTS LIST -3 [AV-29J534/B]

△ Ref.No.	Part No.	Part Name	Description	Local
50	LC40352-001A-H	RUBBER SHEET	(x4)	
51	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x13)	
52	GG10141-001C-H	BASS BOTTOM		
53	LC41211-001A	SOUND ABSORBER		
54	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x4)	
55	QAS0118-001	SPEAKER	SP03	
56	WJJ0266-002A	E-SIC WIRE C-C		
57	GG30022-001A-H	BASS DUCT R	(x2)	
58	GG10140-001C-H	BASS TOP		

## EXPLODED VIEW -3



# PRINTED WIRING BOARD PARTS LIST [AV-29J314/B]

## MAIN P.W. BOARD ASS'Y (SCW-1078A-BK)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC		D753	MA8091/H/-X	Z DIODE	
IC451	UPC358G2-XE	IC		D791	MA8062/M/-X	Z DIODE	
IC601	AN5277	IC		D801	NCB21HK-152X	C CAPACITOR	1500pF 50V K
IC701	TDA12027-ETV	IC(MCU)	(SERVICE)	D802	NCB21HK-152X	C CAPACITOR	1500pF 50V K
IC702	AT24C16-29VX74G	IC	(SERVICE)	D803	NCB21HK-152X	C CAPACITOR	1500pF 50V K
IC921	STR-W6756-F5	SW IC		D804	NCB21HK-152X	C CAPACITOR	1500pF 50V K
IC951	SE135N	IC		D810	MA8091/H/-X	Z DIODE	
IC972	BA33BC0T	REGULATOR IC		D811	MA8091/H/-X	Z DIODE	
IC973	PQ120RDA1SZ	IC		D812	MA8091/H/-X	Z DIODE	
IC974	MM1561JF-X	IC		D813	MA8091/H/-X	Z DIODE	
IC975	PQ050RDA1SZ	IC		D814	MA8091/H/-X	Z DIODE	
IC976	MM1561JF-X	IC		D815	MA8091/H/-X	Z DIODE	
Q101	2SC5083/L-P/-T	TRANSISTOR		D901	GSIB460-S1	BRIDGE DIODE	
Q341	2SA1530A/QR/-X	TRANSISTOR		D921	RGP10J-5025-T3	SI DIODE	
Q461	2SD1267A/QP/-	POW TRANSISTOR		D922	1SS133-T2	SI DIODE	
Q521	BSN304-T	TRANSISTOR		D923	MA111-X	SI DIODE	
△Q522	TT2142-YD	TRANSISTOR		D924	MA8330/M/-X	Z DIODE	
Q571	2SA1208/ST/Z1-T	TRANSISTOR		D925	RGP10J-5025-T3	SI DIODE	
Q572	UN2212-X	DIGI TRANSISTOR		D926	RGP10M-5010-T3	SI DIODE	
Q601	2SA1530A/QR/-X	TRANSISTOR		D927	MA111-X	SI DIODE	
Q602	2SA1530A/QR/-X	TRANSISTOR		D928	MA8240/M/-X	Z DIODE	
Q603	UN2226-X	DIGI TRANSISTOR		D929	MA111-X	SI DIODE	
Q605	UN2226-X	DIGI TRANSISTOR		D930	MA8240/M/-X	Z DIODE	
Q607	2SC3928A/QR/-X	TRANSISTOR		D931	MA8062/M/-X	Z DIODE	
Q608	2SC3928A/QR/-X	TRANSISTOR		D932	MTZJ36A-T2	Z DIODE	
Q609	UN2212-X	DIGI TRANSISTOR		D933	MTZJ9.1C-T2	Z DIODE	
Q611	UN2212-X	DIGI TRANSISTOR		D934	MTZJ9.1C-T2	Z DIODE	
Q701	2SA1530A/QR/-X	TRANSISTOR		D935	MTZJ9.1C-T2	Z DIODE	
Q702	2SC3928A/QR/-X	TRANSISTOR		D936	1SS133-T2	SI DIODE	
Q703	2SA1530A/QR/-X	TRANSISTOR		D951	31DF6N-FC5	SI DIODE	
Q704	2SC3928A/QR/-X	TRANSISTOR		D952	FSF05A20	SI DIODE	
Q705	SSM3K02F-X	MOS FET		D953	RGP10J-5025-T3	SI DIODE	
Q706	SSM3K02F-X	MOS FET		D954	RGP10J-5025-T3	SI DIODE	
Q707	2SC3928A/QR/-X	TRANSISTOR		D955	FSF05A20	SI DIODE	
Q708	2SA1530A/QR/-X	TRANSISTOR		D957	MA8039/H/-X	Z DIODE	
Q791	DTC124ESA-T	DIGI TRANSISTOR		D959	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Q801	KTA1267/YG-T	TRANSISTOR		D960	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Q803	UN2226-X	DIGI TRANSISTOR		D962	MA8330/M/-X	Z DIODE	
Q804	UN2226-X	DIGI TRANSISTOR		D970	MA8082/M/-X	Z DIODE	
Q805	2SA1530A/QR/-X	TRANSISTOR		D971	MA111-X	SI DIODE	
Q921	2SC3852A	POW TRANSISTOR		D972	1SR124-400A-T2	SI DIODE	
Q951	2SC3928A/QR/-X	TRANSISTOR		D973	MA111-X	SI DIODE	
Q952	2SC3928A/QR/-X	TRANSISTOR		D975	MA111-X	SI DIODE	
Q957	2SC3928A/QR/-X	TRANSISTOR		D977	MA111-X	SI DIODE	
Q958	2SA1013/RO/-T	TRANSISTOR		C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D341	MA111-X	SI DIODE		C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D342	MA111-X	SI DIODE		C003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D343	MA111-X	SI DIODE		C004	QETN1CM-477Z	E CAPACITOR	470uF 16V M
D345	MA111-X	SI DIODE		C005	NCB31HK-222X	C CAPACITOR	2200pF 50V K
D422	MTZJ75-T2	Z DIODE		C006	QETN1CM-336Z	E CAPACITOR	33uF 16V M
D423	GP10DE-5009-T2	SI DIODE		C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
D451	MA8043/L/-X	Z DIODE		C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K
D471	1SR124-400A-T2	SI DIODE		C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
D472	MA111-X	SI DIODE		C104	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D521	RH3G-F1	SI DIODE		C106	NDC31HJ-180X	C CAPACITOR	18pF 50V J
D522	31DF6N-FC5	SI DIODE		C109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D523	RGP10J-5025-T3	SI DIODE		C110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D524	MA8091/H/-X	Z DIODE		C111	QETN1CM-477Z	E CAPACITOR	470uF 16V M
D530	EU2-T3	SI DIODE		C341	QETN1CM-227Z	E CAPACITOR	220uF 16V M
D551	RGP10J-5025-T3	SI DIODE		C422	QCS32HJ-560Z	C CAPACITOR	56pF 500V J
D552	RGP10J-5025-T3	SI DIODE		C423	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
D554	MA8051/L/-X	Z DIODE		C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
D571	MA8075/H/-X	Z DIODE		C427	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
D581	RGP10J-5025-T3	SI DIODE		C428	QEHR1VM-107Z	E CAPACITOR	100uF 35V M
D601	MA111-X	SI DIODE		C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J
D603	MA111-X	SI DIODE		C431	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D604	MA8300/H/-X	Z DIODE		C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
D605	MA8300/H/-X	Z DIODE		C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
D607	MA111-X	SI DIODE		C452	QETN1HM-226Z	E CAPACITOR	22uF 50V M
D701	MA111-X	SI DIODE		C453	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D702	MA8091/H/-X	Z DIODE		C471	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D704	MA8091/H/-X	Z DIODE		C520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D705	MA8039/H/-X	Z DIODE		C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K
D706	MA8036-X	Z DIODE		C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
D707	MA111-X	SI DIODE		C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M
D708	MA111-X	SI DIODE		△C524	QFZ0196-202	MPP CAPACITOR	2000pF 1.5kV H
D709	MA111-X	SI DIODE		C525	QFZ0196-123	MPP CAPACITOR	0.012uF 1.5kV H
D710	MA8091/H/-X	Z DIODE		C526	QFZ0196-252	MPP CAPACITOR	2500pF 1.5kV H
D714	MA8030/H/-X	Z DIODE		C527	QFZ0197-224	MPP CAPACITOR	0.22uF 250V J
D751	MA8091/H/-X	Z DIODE		C528	QFP32JJ-223	PP CAPACITOR	0.022uF 630V J
				C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M
				C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K
				C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M	C765	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C766	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C767	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C553	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	C768	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C554	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	C769	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	C770	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C571	QETM2CM-227	E CAPACITOR	220uF 160V M	C772	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C773	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C573	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C774	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C582	QFZ0197-204	MPP CAPACITOR	0.2uF 250V J	C776	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C777	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C602	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C778	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C603	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C779	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C604	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C780	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C605	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C781	NCB21CK-105X	C CAPACITOR	1uF 16V K
C606	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C782	NCB21CK-105X	C CAPACITOR	1uF 16V K
C607	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C783	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C608	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C785	NCB21EK-224X	C CAPACITOR	0.22uF 25V K
C609	QETN1HM-336Z	E CAPACITOR	33uF 50V M	C789	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C790	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C613	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C792	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C656	QETN1HM-107Z	E CAPACITOR	100uF 50V M	C802	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C661	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C803	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C701	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C804	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C702	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	△C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
C703	QETN1CM-477Z	E CAPACITOR	470uF 16V M	△C902	QFZ9077-104	MPP CAPACITOR	0.1uF 250V M
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△C903	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C705	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	△C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C706	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	△C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C707	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C906	QEZ0649-337	E CAPACITOR	330uF 400V M
C708	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C915	QCZ0325-391	C CAPACITOR	390pF 2kV K
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C917	QCB32HK-181Z	C CAPACITOR	180pF 500V K
C710	NCB31HK-682X	C CAPACITOR	6800pF 50V K	C921	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C711	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C922	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C712	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C924	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C713	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C925	QETN2AM-226Z	E CAPACITOR	22uF 100V M
C714	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	C926	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J
C715	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C928	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
C716	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C929	QCB32HK-103	C CAPACITOR	0.01uF 50V K
C717	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	C931	QCZ0364-102	C CAPACITOR	1000pF 2kV K
C718	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	C940	QCZ0364-122	C CAPACITOR	1200pF 2kV K
C719	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C945	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C720	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C949	QETN1AM-228Z	E CAPACITOR	2200uF 10V M
C721	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C950	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C722	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C951	QCZ0364-561	C CAPACITOR	560pF 2kV K
C723	NCB21CK-105X	C CAPACITOR	1uF 16V K	C952	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C724	NCB21CK-105X	C CAPACITOR	1uF 16V K	C953	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C954	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C727	NCB31HK-332X	C CAPACITOR	3300pF 50V K	C955	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C956	QEZ0203-227	E CAPACITOR	220uF 160V M
C729	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C957	QETN1AM-228Z	E CAPACITOR	2200uF 10V M
C730	QETN1HM-227Z	E CAPACITOR	220uF 50V M	C958	QETN1EM-337Z	E CAPACITOR	330uF 25V M
C731	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C959	QETN1VM-337Z	E CAPACITOR	330uF 35V M
C732	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C960	QETM1VM-228	E CAPACITOR	2200uF 35V M
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C962	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C734	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C963	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C735	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C964	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C965	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C737	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C967	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C738	NCB21CK-105X	C CAPACITOR	1uF 16V K	C968	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C739	NCB21CK-105X	C CAPACITOR	1uF 16V K	C975	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C740	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C976	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C741	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C977	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C742	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C978	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C979	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C744	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C980	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C745	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C746	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C982	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C747	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C983	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C748	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C984	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C749	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C985	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C750	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C986	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C751	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C987	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C752	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C989	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C753	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△C991	QCZ9079-471	C CAPACITOR	470pF AC250V K
C754	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△C992	QCZ9079-471	C CAPACITOR	470pF AC250V K
C755	QETN1HM-106Z	E CAPACITOR	10uF 50V M	△C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C756	NCB31HK-104X	C CAPACITOR	0.1uF 50V K				
C757	NDC31HJ-561X	C CAPACITOR	560pF 50V J	R001	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C758	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C759	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R003	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C760	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R004	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C761	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C762	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R101	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C763	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	R102	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C764	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R103	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R104	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R706	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R707	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R708	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R709	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R710	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R711	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R713	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R715	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R411	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R716	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R426	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R718	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R427	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R430	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R722	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R432	QRX01GJ-1R2	MF RESISTOR	1.2Ω 1W J	R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R433	QRE121J-3R9Y	C RESISTOR	3.9Ω 1/2W J	R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R434	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R725	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R438	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R726	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R440	QRG01GJ-331	OMF RESISTOR	330Ω 1W J	R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	R728	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R451	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	R730	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R452	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R453	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R454	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R455	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R456	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R457	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R458	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R737	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R459	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R738	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R460	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	R739	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R461	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R740	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R462	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R741	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R463	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R464	QRL039J-330	OMF RESISTOR	33Ω 3W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R471	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R472	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	R745	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R473	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R746	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R474	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R747	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R520	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R748	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R521	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R749	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J	R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R524	QRL039J-121	OMF RESISTOR	120Ω 3W J	R753	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R525	QRL039J-121	OMF RESISTOR	120Ω 3W J	R754	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R527	QRL039J-393	OMF RESISTOR	39kΩ 3W J	R755	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	R756	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R530	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
△R533	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	R758	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
△R551	QRZ9021-1R0	FUSI RESISTOR	1Ω 1W J	R759	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
△R552	QRZ9021-1R0	FUSI RESISTOR	1Ω 1W J	R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R554	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R571	QRZ0225-2R2	UNF RESISTOR	2.2Ω 7W K	R762	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R572	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R573	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R574	QRE121J-183Y	C RESISTOR	18kΩ 1/2W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R575	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R766	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	R767	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R582	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	R768	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	R771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R601	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R772	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R602	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R774	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R606	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	R776	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R607	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R609	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R780	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R611	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R781	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R612	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R782	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R783	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R620	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R785	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R621	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R790	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R791	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R623	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R792	QRE123J-330X	C RESISTOR	33Ω 1/2W J
R624	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R793	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R626	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R794	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R628	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R795	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R629	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R631	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R632	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R701	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R804	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R805	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R806	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R705	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R807	QRE121J-101Y	C RESISTOR	100Ω 1/2W J

△Ref No.	Part No.	Part Name	Description	Local
R809	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R810	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J
R811	NRSA63J-823X	MG RESISTOR	82kΩ	1/16W J
R812	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J
R813	NRSA63J-823X	MG RESISTOR	82kΩ	1/16W J
R814	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J
R815	NRSA63J-750X	MG RESISTOR	75Ω	1/16W J
R816	NRSA63J-750X	MG RESISTOR	75Ω	1/16W J
R901	QRF154K-2R2	UNF WW RESISTOR	2.2Ω	15W K
R902	QRL039J-823	OMF RESISTOR	82kΩ	3W J
R921	QRE121J-101Y	C RESISTOR	100Ω	1/2W J
R922	QRZ0237-R18	UNF WW RESISTOR	0.18Ω	3W J
R923	QRT029J-R47	MF RESISTOR	0.47Ω	2W J
R924	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J
R929	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J
R930	QRL039J-473	OMF RESISTOR	47kΩ	3W J
△R932	QRZ9017-100	FUSI RESISTOR	10Ω	1/4W J
R933	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R934	QRE121J-182Y	C RESISTOR	1.8kΩ	1/2W J
R935	QRE121J-102Y	C RESISTOR	1kΩ	1/2W J
R951	QRE121J-102Y	C RESISTOR	1kΩ	1/2W J
R953	QRE121J-332Y	C RESISTOR	3.3kΩ	1/2W J
R954	QRE121J-332Y	C RESISTOR	3.3kΩ	1/2W J
R955	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R956	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R957	NRSA63J-153X	MG RESISTOR	15kΩ	1/16W J
R958	NRSA63J-183X	MG RESISTOR	18kΩ	1/16W J
R959	NRSA63J-153X	MG RESISTOR	15kΩ	1/16W J
R960	QRE121J-223Y	C RESISTOR	22kΩ	1/2W J
R962	QRL029J-223	OMF RESISTOR	22kΩ	2W J
R970	QRE121J-182Y	C RESISTOR	1.8kΩ	1/2W J
R973	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R974	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J
R975	NRSA63J-222X	MG RESISTOR	2.2kΩ	1/16W J
R976	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J
R978	NRSA63J-332X	MG RESISTOR	3.3kΩ	1/16W J
R980	NRSA63J-562X	MG RESISTOR	5.6kΩ	1/16W J
R981	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
△R991	QRZ9046-825Z	C RESISTOR	8.2MΩ	1/2W K
L001	QQL244K-8R2Z	PEAKING COIL	8.2uH	K
L002	QQL244J-4R7Z	PEAKING COIL	4.7uH	J
L003	QQL244J-4R7Z	PEAKING COIL	4.7uH	J
L101	QQL244K-1R0Z	PEAKING COIL	1uH	K
L421	QQL26AK-220Z	CHOKE COIL	22uH	K
L521	QQR1138-001	CHOKE COIL		
L522	QQR1243-001	LINEARITY COIL		
L530	QQL244K-220Z	PEAKING COIL	22uH	K
L701	NQL092K-100X	COIL	10uH	K
L702	NQL092K-100X	COIL	10uH	K
L703	NQL092K-100X	COIL	10uH	K
L704	NQL092K-100X	COIL	10uH	K
L705	NQL092K-100X	COIL	10uH	K
L706	NQL092K-100X	COIL	10uH	K
L707	NQL092K-100X	COIL	10uH	K
L708	NQL092K-100X	COIL	10uH	K
L709	NQL092K-100X	COIL	10uH	K
L710	NQL092K-100X	COIL	10uH	K
L711	NQL092K-100X	COIL	10uH	K
L712	NQL092K-100X	COIL	10uH	K
L713	NQL092K-100X	COIL	10uH	K
L714	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
L715	NQL092K-100X	COIL	10uH	K
L716	NQL092K-100X	COIL	10uH	K
L717	NQL092K-100X	COIL	10uH	K
L951	QQLZ034-480	HEATER CHOKE	48uH	
L952	QQL26AK-820Z	CHOKE COIL	82uH	K
L954	QQL244J-5R6Z	COIL	5.6uH	J
L972	QQL244J-5R6Z	COIL	5.6uH	J
L973	QQL244J-5R6Z	COIL	5.6uH	J
L975	QQL26AK-820Z	CHOKE COIL	82uH	K
T521	QQR1229-001	DRIVE TRANSF		
△T921	QQS0267-001	SW TRANSF		
△PC901	PS2581AL1/QW/	PHOTO COUPLER		
CF701	QAX0694-001Z	C FILTER	5.742MHz	
CF702	QAX0694-001Z	C FILTER	5.742MHz	
△CP650	ICP-N38-Y	IC PROTECTOR	1.5A	
△CP952	ICP-N38-Y	IC PROTECTOR	1.5A	
△CP953	ICP-N38-Y	IC PROTECTOR	1.5A	
△CP954	ICP-N38-Y	IC PROTECTOR	1.5A	
△CP955	ICP-N75-Y	IC PROTECTOR	2.7A	
J801	QNZ0454-002	PIN JACK	VIDEO1 IN	
J802	QNN0349-002	PIN JACK	COMP/VIDEO2 IN	
J803	QNN0348-001	PIN JACK	VIDEO2 L R IN	
J804	QNN0349-001	PIN JACK	OUTPUT	

△Ref No.	Part No.	Part Name	Description	Local
K107	QQR1114-001Z	FERRITE BEADS		
K702	QQR1113-001Z	FERRITE BEADS		
K901	QQR1114-001Z	FERRITE BEADS		
K902	QQR1113-001Z	FERRITE BEADS		
K921	QQR1114-001Z	FERRITE BEADS		
K922	QQR1113-001Z	FERRITE BEADS		
K951	QQR1114-001Z	FERRITE BEADS		
K952	QQR1114-001Z	FERRITE BEADS		
K953	QQR1113-001Z	FERRITE BEADS		
K954	QQR1113-001Z	FERRITE BEADS		
K955	QQR1113-001Z	FERRITE BEADS		
LC801	QQR1199-001	EMI FILTER		
LC802	QQR1199-001	EMI FILTER		
LC803	QQR1199-001	EMI FILTER		
LC804	QQR1199-001	EMI FILTER		
△LF902	QQR1356-001	LINE FILTER		
SF102	QAX0864-001	FILT		
TU001	QAU0383-001	TUNER		
X701	QAX0799-001Z	CRYSTAL		

## CRT SOCKET P.W. BOARD ASS'Y (SCW-3008A-BK)

△Ref No.	Part No.	Part Name	Description	Local
IC351	TDA6107AJF/N1	IC		
Q203	KTC3199/YG-T	TRANSISTOR		
Q204	KTC3199/YG-T	TRANSISTOR		
Q206	KTA1267/YG-T	TRANSISTOR		
Q208	2SA2005/DE/	POW TRANSISTOR		
Q209	2SC5511/DE/	POW TRANSISTOR		
D201	MA111-X	SI DIODE		
D202	MA111-X	SI DIODE		
D203	RGP10J-5025-T3	SI DIODE		
D204	RGP10J-5025-T3	SI DIODE		
D350	MA8075/M-X	Z DIODE		
D354	EU01N-T2	SI DIODE		
D355	EU01N-T2	SI DIODE		
D356	EU01N-T2	SI DIODE		
D357	EU01N-T2	SI DIODE		
C201	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C203	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C205	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C206	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C207	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J	
C209	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C211	NDC31HJ-821X	C CAPACITOR	820pF 50V J	
C212	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C213	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C214	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C215	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C216	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C217	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C218	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C219	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C220	QCS32HJ-680Z	C CAPACITOR	68pF 500V J	
C351	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C352	QETN2EM-475Z	E CAPACITOR	4.7uF 250V M	
C353	QFKC2EK-104Z	MM CAPACITOR	0.1uF 250V K	
C359	QCZ0131-222	C CAPACITOR	2200pF 2kV K	
R207	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R208	NRSA63J-153X	MG RESISTOR	15kΩ	1/16W J
R209	NRSA63J-152X	MG RESISTOR	1.5kΩ	1/16W J
R210	NRSA63J-272X	MG RESISTOR	2.7kΩ	1/16W J
R211	NRSA63J-152X	MG RESISTOR	1.5kΩ	1/16W J
R212	NRSA63J-151X	MG RESISTOR	150Ω	1/16W J
R213	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J
R214	QRJ146J-100X	UNF C RESISTOR	10Ω	1/4W J
R219	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J
R220	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J
R221	NRSA63J-122X	MG RESISTOR	1.2kΩ	1/16W J
R222	QRE121J-563Y	C RESISTOR	56kΩ	1/2W J
R223	QRE121J-563Y	C RESISTOR	56kΩ	1/2W J
R224	NRSA63J-122X	MG RESISTOR	1.2kΩ	1/16W J
R225	NRSA63J-390X	MG RESISTOR	39Ω	1/16W J
R226	QRE121J-2R7Y	C RESISTOR	2.7Ω	1/2W J
R227	QRE121J-2R7Y	C RESISTOR	2.7Ω	1/2W J
R228	NRSA63J-390X	MG RESISTOR	39Ω	1/16W J
R229	QRE121J-121Y	C RESISTOR	120Ω	1/2W J
R232	QRL029J-391	OMF RESISTOR	390Ω	2W J

△Ref No.	Part No.	Part Name	Description Local
R351	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R355	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R356	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R357	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
R358	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R359	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R360	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
△R369	QRZ9023-1R0	FUSI RESISTOR	1Ω 2W J
R374	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
L351	QQL244J-5R6Z	COIL	5.6uH J
△FR201	QRZ9021-561	FUSI RESISTOR	560Ω 1W J
K201	CE41492-001Z	CHOKO COIL	
K202	CE41492-001Z	CHOKO COIL	
K203	CE41492-001Z	CHOKO COIL	
K205	CE41832-001	LEAD CORE	
K206	CE41832-001	LEAD CORE	
K208	QQR1113-001Z	FERRITE BEADS	
△SK351	QNZ0536-001	CRT SOCKET	

## FRONT CONTROL P.W. BOARD ASS'Y (SCW-8008A-BK)

△Ref No.	Part No.	Part Name	Description Local
IC301	S9066-11	PHOTO CONDUCTOR	
IC481	LA6515	IC	
IC801	RPM7238-H5	IR DETECT UNIT	
Q481	2SC3928A/QR/-X	TRANSISTOR	
Q482	2SA1530A/QR/-X	TRANSISTOR	
Q955	2SC3928A/QR/-X	TRANSISTOR	
D801	LH22440-T16	LED	POWER
D804	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D805	NCB21HK-152X	C CAPACITOR	1500pF 50V K
C301	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C481	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C482	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C483	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C484	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C485	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C487	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J
C488	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C489	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C601	QETM1VM-108	E CAPACITOR	1000uF 35V M
C602	QETM1VM-108	E CAPACITOR	1000uF 35V M
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C802	QETN1CM-107Z	E CAPACITOR	100uF 16V M
△C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
△C902	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
C965	QETN1CM-107Z	E CAPACITOR	100uF 16V M
R301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R303	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R482	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R483	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R484	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R485	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R486	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R487	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R488	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R489	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R491	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R492	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R494	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R495	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R496	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R497	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R499	QRE121J-561Y	C RESISTOR	560Ω 1/2W J
R601	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R604	QRE121J-271Y	C RESISTOR	270Ω 1/2W J
R801	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R802	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R803	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local
R806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R812	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R813	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R814	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R815	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R816	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
△R901	QRZ0111-474	C RESISTOR	470kΩ 1/2W K
R960	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R961	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
L401	QQL244K-820Z	PEAKING COIL	82uH K
△F901	QMF51E2-4R0J4	FUSE	4A AC250V
J801	QNS0155-001	3.5 JACK	HEADPHONE
J802	QNN0279-003	PIN JACK	VIDEO3 V IN
J803	QNN0279-002	PIN JACK	VIDEO3 L IN
J804	QNN0657-001	PIN JACK	VIDEO3 R IN
K401	QQR1114-001Z	FERRITE BEADS	
LC801	QQR1199-001	EMI FILTER	
△LF901	QQR1356-001	LINE FILTER	
△RY901	QSK0061-002	RELAY	
S801	QSW0619-003Z	TACT SWITCH	CH+
S802	QSW0619-003Z	TACT SWITCH	CH-
S803	QSW0619-003Z	TACT SWITCH	MENU
S804	QSW0619-003Z	TACT SWITCH	TV/VIDEO
S805	QSW0619-003Z	TACT SWITCH	VOL+
S806	QSW0619-003Z	TACT SWITCH	VOL-
△S901	QSW0750-001	PUSH SWITCH	POWER
△TH901	QAD0145-2R3	P THERMISTOR	2.3Ω
△VA901	QAF0060-621	VARISTOR	620V
	LC41232-001A-H	EE HOLDER	
	LC30349-001A-H	LED HOLDER	

# PRINTED WIRING BOARD PARTS LIST [AV-29J534/B]

## MAIN P.W. BOARD ASS'Y (SCW-1080A-BK)

△Ref No.	Part No.	Part Name	Description Local
IC401	AN15526A	IC	
IC451	UPC358G2-XE	IC	
IC601	AN7585	IC	
IC651	RC4558D-X	IC	
IC701	TDA12027-ETV	IC(MCU)	(SERVICE)
IC702	AT24C16-29VS24	IC	(SERVICE)
IC921	STR-W6756-F5	SW IC	
IC951	SE135N	IC	
IC972	BA33BC0T	REGULATOR IC	
IC973	PQ120RDA1SZ	IC	
IC974	MM1561JF-X	IC	
IC975	PQ050RDA1SZ	IC	
IC976	MM1561JF-X	IC	
Q101	2SC5083/L-P/-T	TRANSISTOR	
Q341	2SA1530A/QR/-X	TRANSISTOR	
Q461	2SD1267A/QP/-	POW TRANSISTOR	
Q521	BSN304-T	TRANSISTOR	
△Q522	TT2142-YD	TRANSISTOR	
Q571	2SA1208/ST/Z1-T	TRANSISTOR	
Q572	UN2212-X	DIGI TRANSISTOR	
Q601	2SA1530A/QR/-X	TRANSISTOR	
Q602	2SA1530A/QR/-X	TRANSISTOR	
Q603	DTC323TK-X	DIGI TRANSISTOR	
Q604	DTC323TK-X	DIGI TRANSISTOR	
Q605	DTC323TK-X	DIGI TRANSISTOR	
Q606	DTC323TK-X	DIGI TRANSISTOR	
Q607	2SC3928A/QR/-X	TRANSISTOR	
Q608	2SC3928A/QR/-X	TRANSISTOR	
Q609	UN2212-X	DIGI TRANSISTOR	
Q610	UN2212-X	DIGI TRANSISTOR	
Q611	UN2212-X	DIGI TRANSISTOR	
Q702	2SC3928A/QR/-X	TRANSISTOR	
Q703	2SA1530A/QR/-X	TRANSISTOR	
Q704	2SC3928A/QR/-X	TRANSISTOR	
Q705	SSM3K02F-X	MOS FET	
Q706	SSM3K02F-X	MOS FET	
Q707	2SC3928A/QR/-X	TRANSISTOR	
Q708	2SA1530A/QR/-X	TRANSISTOR	
Q791	DTC124ESA-T	DIGI TRANSISTOR	
Q801	KTA1267/YG/-T	TRANSISTOR	
Q803	DTC323TK-X	DIGI TRANSISTOR	
Q804	DTC323TK-X	DIGI TRANSISTOR	
Q805	2SA1530A/QR/-X	TRANSISTOR	
Q921	2SC3852A	POW TRANSISTOR	
Q951	2SC3928A/QR/-X	TRANSISTOR	
Q952	2SC3928A/QR/-X	TRANSISTOR	
Q957	2SC3928A/QR/-X	TRANSISTOR	
Q958	2SA1013/RO/-T	TRANSISTOR	
D341	MA111-X	SI DIODE	
D342	MA111-X	SI DIODE	
D343	MA111-X	SI DIODE	
D345	MA111-X	SI DIODE	
D422	MTZJ75-T2	Z DIODE	
D423	GP10DE-5009-T2	SI DIODE	
D451	MA8043/L/-X	Z DIODE	
D471	1SR124-400A-T2	SI DIODE	
D472	MA111-X	SI DIODE	
D521	RH3G-F1	SI DIODE	
D522	31DF6N-FC5	SI DIODE	
D523	RGP10J-5025-T3	SI DIODE	
D524	MA8091/H/-X	Z DIODE	
D530	EU2-T3	SI DIODE	
D551	RGP10J-5025-T3	SI DIODE	
D552	RGP10J-5025-T3	SI DIODE	
D554	MA8051/L/-X	Z DIODE	
D571	MA8075/H/-X	Z DIODE	
D581	RGP10J-5025-T3	SI DIODE	
D601	MA111-X	SI DIODE	
D602	MA111-X	SI DIODE	
D603	MA111-X	SI DIODE	
D604	MA8300/H/-X	Z DIODE	
D605	MA8300/H/-X	Z DIODE	
D606	MA8300/H/-X	Z DIODE	
D607	MA111-X	SI DIODE	
D608	MA111-X	SI DIODE	
D609	MA111-X	SI DIODE	
D651	MA8062/M/-X	Z DIODE	
D701	MA111-X	SI DIODE	
D702	MA8091/H/-X	Z DIODE	
D704	MA8091/H/-X	Z DIODE	

△Ref No.	Part No.	Part Name	Description Local
D705	MA8039/H/-X	Z DIODE	
D706	MA8036-X	Z DIODE	
D707	MA111-X	SI DIODE	
D708	MA111-X	SI DIODE	
D709	MA111-X	SI DIODE	
D710	MA8091/H/-X	Z DIODE	
D714	MA8030/H/-X	Z DIODE	
D751	MA8091/H/-X	Z DIODE	
D753	MA8091/H/-X	Z DIODE	
D791	MA8062/M/-X	Z DIODE	
D801	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D802	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D803	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D804	NCB21HK-152X	C CAPACITOR	1500pF 50V K
D810	MA8091/H/-X	Z DIODE	
D811	MA8091/H/-X	Z DIODE	
D812	MA8091/H/-X	Z DIODE	
D813	MA8091/H/-X	Z DIODE	
D814	MA8091/H/-X	Z DIODE	
D815	MA8091/H/-X	Z DIODE	
D901	GSIB460	BRIDGE DIODE	
D921	RGP10J-5025-T3	SI DIODE	
D922	1SS133-T2	SI DIODE	
D923	MA111-X	SI DIODE	
D924	MA8330/M/-X	Z DIODE	
D925	RGP10J-5025-T3	SI DIODE	
D926	RGP10M-5010-T3	SI DIODE	
D927	MA111-X	SI DIODE	
D928	MA8240/M/-X	Z DIODE	
D929	MA111-X	SI DIODE	
D930	MA8240/M/-X	Z DIODE	
D931	MA8062/M/-X	Z DIODE	
D932	MTZJ36A-T2	Z DIODE	
D933	MTZJ9.1C-T2	Z DIODE	
D934	MTZJ9.1C-T2	Z DIODE	
D935	MTZJ9.1C-T2	Z DIODE	
D936	1SS133-T2	SI DIODE	
D951	31DF6N-FC5	SI DIODE	
D952	FSF05A20	SI DIODE	
D953	RGP10J-5025-T3	SI DIODE	
D954	RGP10J-5025-T3	SI DIODE	
D955	FSF05A20	SI DIODE	
D957	MA8039/H/-X	Z DIODE	
D959	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D960	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D962	MA8330/M/-X	Z DIODE	
D970	MA8082/M/-X	Z DIODE	
D971	MA111-X	SI DIODE	
D972	1SR124-400A-T2	SI DIODE	
D973	MA111-X	SI DIODE	
D975	MA111-X	SI DIODE	
D977	MA111-X	SI DIODE	
C001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C004	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C005	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C006	QETN1CM-336Z	E CAPACITOR	33uF 16V M
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C104	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C106	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C109	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C111	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C341	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C422	QCS32HJ-560Z	C CAPACITOR	56pF 500V J
C423	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C424	QFLC2AJ-683Z	M CAPACITOR	0.068uF 100V J
C427	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C428	QEHR1VM-107Z	E CAPACITOR	100uF 35V M
C430	QFLC2AJ-563Z	M CAPACITOR	0.056uF 100V J
C431	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C435	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C436	NCF21HZ-334X	C CAPACITOR	0.33uF 50V Z
C452	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C453	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C471	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C521	QCB31HK-332Z	C CAPACITOR	3300pF 50V K
C522	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J
C523	QETN1VM-476Z	E CAPACITOR	47uF 35V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
△C524	QFZ0196-202	MPP CAPACITOR	2000pF 1.5kV H	C747	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C525	QFZ0196-123	MPP CAPACITOR	0.012uF 1.5kV H	C748	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C526	QFZ0196-252	MPP CAPACITOR	2500pF 1.5kV H	C749	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C527	QFZ0197-224	MPP CAPACITOR	0.22uF 250V J	C750	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C528	QFP32JJ-223	PP CAPACITOR	0.022uF 630V J	C751	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C529	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M	C752	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C530	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C753	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C531	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M	C754	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C532	QETN2EM-106Z	E CAPACITOR	10uF 250V M	C755	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C551	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C756	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C552	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C757	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C553	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	C758	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C554	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	C759	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C555	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	C760	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C571	QETM2CM-227	E CAPACITOR	220uF 160V M	C761	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C572	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C762	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C573	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C763	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C581	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	C764	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C582	QFZ0197-204	MPP CAPACITOR	0.2uF 250V J	C765	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C766	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C602	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C767	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C603	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C768	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C604	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C769	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C605	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C770	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C606	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C772	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C607	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C773	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C608	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C774	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C609	QETN1HM-336Z	E CAPACITOR	33uF 50V M	C775	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C611	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C776	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C612	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C777	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C613	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C778	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C614	QETM1VM-228	E CAPACITOR	2200uF 35V M	C779	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C617	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	C780	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C651	QETN1CM-476Z	E CAPACITOR	47uF 16V M	C781	NCB21CK-105X	C CAPACITOR	1uF 16V K
C652	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C782	NCB21CK-105X	C CAPACITOR	1uF 16V K
C653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C783	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C654	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C785	NCB21EK-224X	C CAPACITOR	0.22uF 25V K
C655	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C789	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C656	QETN1HM-107Z	E CAPACITOR	100uF 50V M	C790	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C657	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C792	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C658	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	C802	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C660	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	C803	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C661	QETN1CM-227Z	E CAPACITOR	220uF 16V M	C804	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C701	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	△C901	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
C702	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	△C902	QFZ9077-104	MPP CAPACITOR	0.1uF 250V M
C703	QETN1CM-477Z	E CAPACITOR	470uF 16V M	△C903	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△C904	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C705	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	△C905	QCZ9015-102Z	C CAPACITOR	1000pF AC250V Z
C706	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	C906	QE20649-337	E CAPACITOR	330uF 400V M
C707	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C915	QCZ0325-391	C CAPACITOR	390pF 2kV K
C708	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C917	QCB32HK-181Z	C CAPACITOR	180pF 500V K
C709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C921	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C710	NCB31HK-682X	C CAPACITOR	6800pF 50V K	C922	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C711	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C924	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C712	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	C925	QETN2AM-226Z	E CAPACITOR	22uF 100V M
C713	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C926	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J
C714	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	C928	QFLC1HJ-102Z	M CAPACITOR	1000pF 50V J
C715	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C929	QCB32HK-103	C CAPACITOR	0.01uF 500V K
C716	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C931	QCZ0364-102	C CAPACITOR	1000pF 2kV K
C717	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	C940	QCZ0364-122	C CAPACITOR	1200pF 2kV K
C718	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	C945	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C719	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C949	QETN1AM-228Z	E CAPACITOR	2200uF 10V M
C720	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C950	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C723	NCB21CK-105X	C CAPACITOR	1uF 16V K	C951	QCZ0364-561	C CAPACITOR	560pF 2kV K
C724	NCB21CK-105X	C CAPACITOR	1uF 16V K	C952	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C725	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C953	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C726	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C954	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C727	NCB31HK-332X	C CAPACITOR	3300pF 50V K	C955	QCB32HK-222Z	C CAPACITOR	2200pF 500V K
C728	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C956	QE20203-227	E CAPACITOR	220uF 160V M
C729	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C957	QETN1AM-228Z	E CAPACITOR	2200uF 10V M
C730	QETN1HM-227Z	E CAPACITOR	220uF 50V M	C958	QETN1EM-337Z	E CAPACITOR	330uF 25V M
C731	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C959	QETN1VM-337Z	E CAPACITOR	330uF 35V M
C732	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	C960	QETM1VM-228	E CAPACITOR	2200uF 35V M
C733	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C962	NRS463J-0R0X	MG RESISTOR	0Ω 1/16W J
C734	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C963	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C735	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C964	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C736	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C965	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C737	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C967	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C738	NCB21CK-105X	C CAPACITOR	1uF 16V K	C968	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C739	NCB21CK-105X	C CAPACITOR	1uF 16V K	C975	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C740	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C976	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C741	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C977	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C742	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C978	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C743	QETN1HM-106Z	E CAPACITOR	10uF 50V M	C979	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C744	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C980	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C745	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C746	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C982	QETN1CM-476Z	E CAPACITOR	47uF 16V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C983	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R611	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C984	QETN1HM-476Z	E CAPACITOR	47uF 50V M	R612	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C985	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R613	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C986	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C987	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R615	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C989	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
△C991	QCZ9079-471	C CAPACITOR	470pF AC250V K	R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
△C992	QCZ9079-471	C CAPACITOR	470pF AC250V K	R619	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
△C993	QCZ9079-102	C CAPACITOR	1000pF AC250V M	R620	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R001	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R621	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R002	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R003	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	R623	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R004	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R624	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R625	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R101	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R626	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R102	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R627	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R103	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R628	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R104	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	R629	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R630	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R631	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R632	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R651	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R654	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R655	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R656	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R657	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R658	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R411	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R659	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J
R412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R660	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R426	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R661	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R427	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R662	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R430	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R663	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R432	QRX01GJ-1R2	MF RESISTOR	1.2Ω 1W J	R664	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R433	QRE121J-3R9Y	C RESISTOR	3.9Ω 1/2W J	R701	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R434	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R438	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R440	QRG01GJ-331	OMF RESISTOR	330Ω 1W J	R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R448	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	R705	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R451	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	R706	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R452	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R707	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R453	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R708	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R454	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R709	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R455	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R711	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R456	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R457	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R713	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R458	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R459	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R715	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R460	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	R716	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R461	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R462	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R718	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R463	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R464	QRL039J-330	OMF RESISTOR	33Ω 3W J	R720	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R471	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R721	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R472	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	R722	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R473	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R474	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R520	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R725	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R521	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R726	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R522	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R523	QRL029J-271	OMF RESISTOR	270Ω 2W J	R728	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R524	QRL039J-121	OMF RESISTOR	120Ω 3W J	R730	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R525	QRL039J-121	OMF RESISTOR	120Ω 3W J	R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R527	QRL039J-393	OMF RESISTOR	39kΩ 3W J	R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R528	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	R733	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R530	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	R734	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R533	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	R735	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R551	QRZ9021-1R0	FUSI RESISTOR	1Ω 1W J	R736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△R552	QRZ9021-1R0	FUSI RESISTOR	1Ω 1W J	R737	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R554	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R738	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R571	QRZ0225-2R2	UNF RESISTOR	2.2Ω 7W K	R739	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R572	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	R740	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R573	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R741	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R574	QRE121J-183Y	C RESISTOR	18kΩ 1/2W J	R742	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R575	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R743	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R581	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	R744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R582	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	R745	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R583	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	R746	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R601	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R747	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R602	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R748	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R749	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R605	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R606	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	R753	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R607	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	R754	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R609	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R755	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R756	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L651	QQL244J-4R7Z	PEAKING COIL	4.7uH J
R758	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	L701	NQL092K-100X	COIL	10uH K
R759	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	L702	NQL092K-100X	COIL	10uH K
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L703	NQL092K-100X	COIL	10uH K
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L704	NQL092K-100X	COIL	10uH K
R762	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L705	NQL092K-100X	COIL	10uH K
R763	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L706	NQL092K-100X	COIL	10uH K
R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L707	NQL092K-100X	COIL	10uH K
R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L708	NQL092K-100X	COIL	10uH K
R768	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L709	NQL092K-100X	COIL	10uH K
R771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L710	NQL092K-100X	COIL	10uH K
R772	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	L711	NQL092K-100X	COIL	10uH K
R773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L712	NQL092K-100X	COIL	10uH K
R774	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	L713	NQL092K-100X	COIL	10uH K
R775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R776	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	L715	NQL092K-100X	COIL	10uH K
R777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L716	NQL092K-100X	COIL	10uH K
R779	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L717	NQL092K-100X	COIL	10uH K
R780	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	L951	QQL2034-480	HEATER CHOKE	48uH
R781	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L952	QQL26AK-820Z	CHOKE COIL	82uH K
R782	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	L954	QQL244J-5R6Z	COIL	5.6uH J
R783	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	L972	QQL244J-5R6Z	COIL	5.6uH J
R784	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L973	QQL244J-5R6Z	COIL	5.6uH J
R785	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L975	QQL26AK-820Z	CHOKE COIL	82uH K
R790	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	T521	QQR1229-001	DRIVE TRANSF	
R791	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	△T921	QQS0267-001	SW TRANSF	
R792	QRE123J-330X	C RESISTOR	33Ω 1/2W J				
R793	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	△PC901	PS2581AL1/QW/	PHOTO COUPLER	
R794	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J				
R795	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	△CP650	ICP-N50-Y	IC PROTECTOR	2.0A
R796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	△CP952	ICP-N38-Y	IC PROTECTOR	1.5A
R801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	△CP953	ICP-N38-Y	IC PROTECTOR	1.5A
R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	△CP954	ICP-N38-Y	IC PROTECTOR	1.5A
R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	△CP955	ICP-N75-Y	IC PROTECTOR	2.7A
R804	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	J801	QNZ0454-002	PIN JACK	VIDEO1 IN
R805	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	J802	QNN0349-002	PIN JACK	COMP/VIDEO2 IN
R806	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	J803	QNN0348-001	PIN JACK	VIDEO2 L R IN
R807	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	J804	QNN0349-001	PIN JACK	OUTPUT
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	J805	QNS0100-001	3.5 JACK	BASS SPEAKER OUT
R810	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	K107	QQR1114-001Z	FERRITE BEADS	
R811	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	K702	QQR1113-001Z	FERRITE BEADS	
R812	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	K901	QQR1114-001Z	FERRITE BEADS	
R813	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	K902	QQR1113-001Z	FERRITE BEADS	
R814	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	K921	QQR1114-001Z	FERRITE BEADS	
R815	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	K922	QQR1113-001Z	FERRITE BEADS	
R816	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	K951	QQR1114-001Z	FERRITE BEADS	
R901	QRF154K-2R2	UNF WW RESISTOR	2.2Ω 15W K	K952	QQR1114-001Z	FERRITE BEADS	
R902	QRL039J-823	OMF RESISTOR	82kΩ 3W J	K953	QQR1113-001Z	FERRITE BEADS	
R921	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	K954	QQR1113-001Z	FERRITE BEADS	
R922	QRZ0237-R18	UNF WW RESISTOR	0.18Ω 3W J	K955	QQR1113-001Z	FERRITE BEADS	
R923	QRT029J-R47	MF RESISTOR	0.47Ω 2W J	LC801	QQR1199-001	EMI FILTER	
R924	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	LC802	QQR1199-001	EMI FILTER	
R929	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	LC803	QQR1199-001	EMI FILTER	
R930	QRL039J-473	OMF RESISTOR	47kΩ 3W J	LC804	QQR1199-001	EMI FILTER	
△R932	QRZ9017-100	FUSI RESISTOR	10Ω 1/4W J	△LF902	QQR1356-001	LINE FILTER	
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	SF102	QAX0731-001	SAW FILTER	
R934	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J	TU001	QAU0383-001	TUNER	
R935	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	X701	QAX0799-001Z	CRYSTAL	
R951	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J				
R953	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J				
R954	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J				
R955	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R956	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R957	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J				
R958	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J				
R959	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J				
R960	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J				
R962	QRL029J-223	OMF RESISTOR	22kΩ 2W J				
R965	QRT039J-R47	MF RESISTOR	0.47Ω 3W J				
R970	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J				
R973	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R974	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R975	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J				
R976	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J				
R978	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J				
R980	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J				
R981	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
△R991	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K				
L001	QQL244K-8R2Z	PEAKING COIL	8.2uH K				
L002	QQL244J-4R7Z	PEAKING COIL	4.7uH J				
L003	QQL244J-4R7Z	PEAKING COIL	4.7uH J				
L101	QQL244K-1R0Z	PEAKING COIL	1uH K				
L421	QQL26AK-220Z	CHOKE COIL	22uH K				
L521	QQR1138-001	CHOKE COIL					
L522	QQR1243-001	LINEARITY COIL					
L530	QQL244K-220Z	PEAKING COIL	22uH K				

## CRT SOCKET P.W. BOARD ASS'Y (SCW-3008A-BK)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

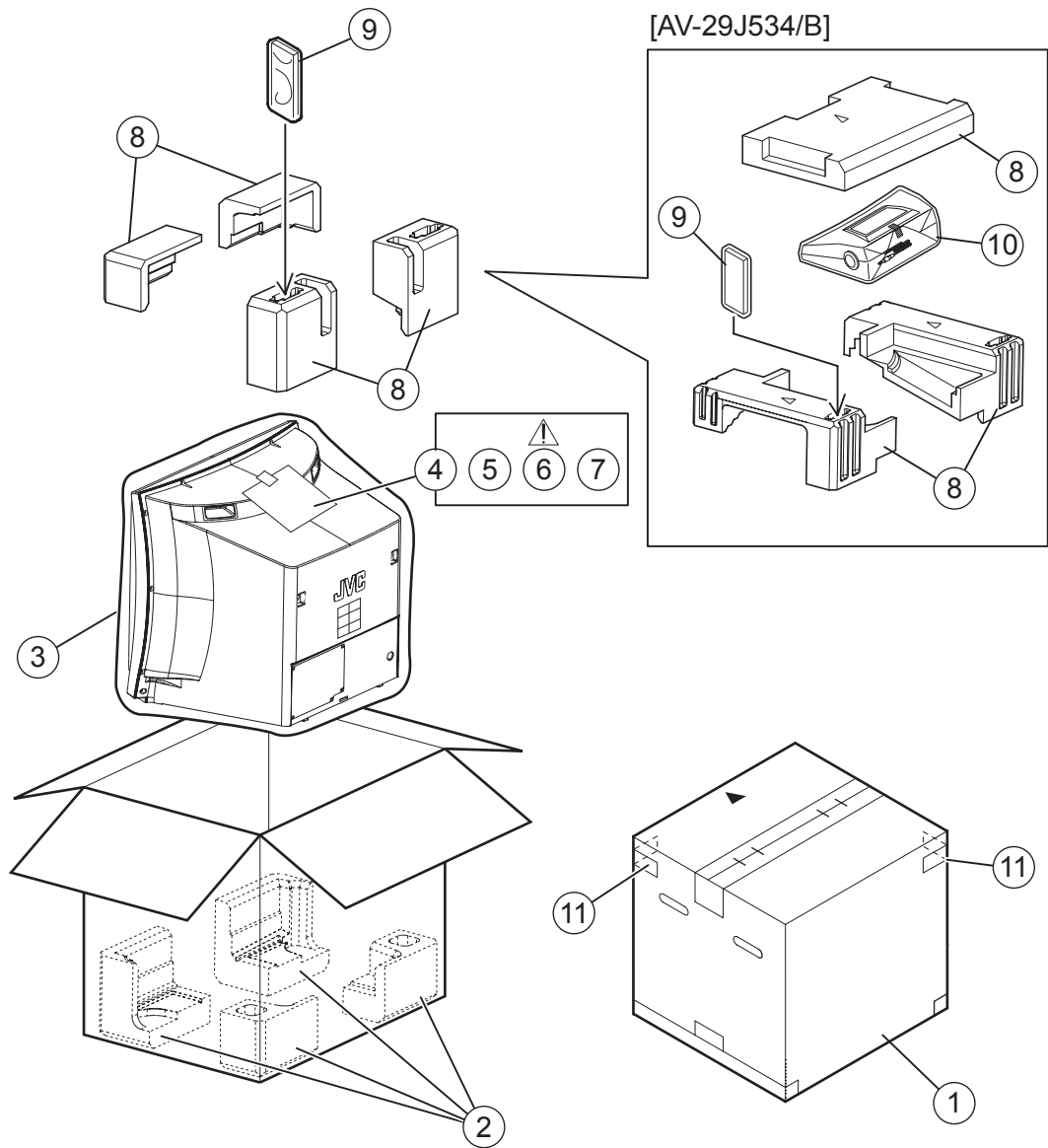
## FRONT CONTROL P.W. BOARD ASS'Y (SCW-8008A-BK)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

# REMOTE CONTROL UNIT PARTS LIST (RM-C1281-2H)

△ Ref No.	Part No.	Part Name	Description	Local
	R25-8566	BATTERY COVER		

## PACKING



## PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	GG10044-091A-H	PACKING CASE		AV-29J314/B
1	GG10044-098A-H	PACKING CASE		AV-29J534/B
2	GG10279-001A-H	BOTTOM CUSHION ASS'Y	4pcs in 1set	
3	GG30097-004A-H	POLY BAG		
4	GG30096-001A-H	POLY BAG		
5	-----	BATTERY	AA/R6 (x2)	
△ 6	GGT0041-001A-H	INST BOOK		
7	ATEAB001-00A	MATCHING BOX		
8	GG10289-001A-H	TOP CUSHION ASS'Y	4pcs in 1set	AV-29J314/B
8	GG10290-001A-H	TOP CUSHION ASS'Y	3pcs in 1set	AV-29J534/B
9	RM-C1281-2H	REMOCON UNIT		
10	GG30097-007A-H	POLY BAG		AV-29J534/B
11	GG20025-005A-H	CORNER LABEL	(x2)	



# JVC

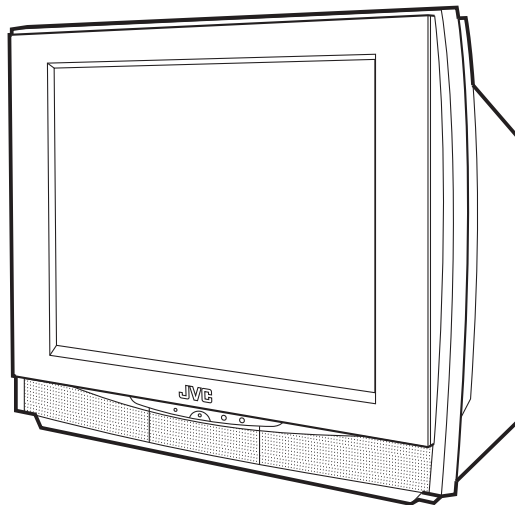
## SCHEMATIC DIAGRAMS

FLAT COLOUR TELEVISION

**AV-29J314**<sub>/B</sub>,  
**AV-29J534**<sub>/B</sub>

CD-ROM No.SML200501

BASIC CHASSIS
CW



# AV-29J314/B, AV-29J534/B

## STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the  $\triangle$  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k $\Omega$ /V
- (4)Oscilloscope sweeping time : H  $\Rightarrow$  20 $\mu$ s / div  
: V  $\Rightarrow$  5ms / div  
: Others  $\Rightarrow$  Sweeping time is specified
- (5)Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R209  $\rightarrow$  R209

#### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

##### (1)Resistors

###### ● Resistance value

- No unit : [ $\Omega$ ]
- K : [k $\Omega$ ]
- M : [M $\Omega$ ]

###### ● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

###### ● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflamable resistor
- FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

##### (2)Capacitors

###### ● Capacitance value

- 1 or higher : [pF]
- less than 1 : [ $\mu$ F]

###### ● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [ $\mu$ F]/withstand voltage[V]

###### ● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

#### (3)Coils

- No unit : [ $\mu$ H]
- Others : As specified

#### (4)Power Supply




-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

\* Respective voltage values are indicated





#### (5)Test point

-  : Test point
-  : Only test point display



#### (6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

#### (7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

#### NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

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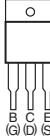


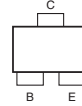
CRT SOCKET , FRONT CONTROL PWB PATTERN .....2-19

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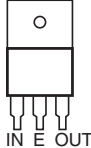
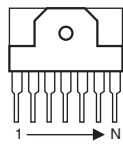
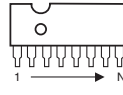
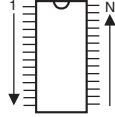
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## SEMICONDUCTOR SHAPES

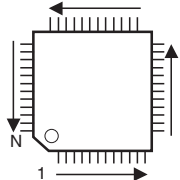
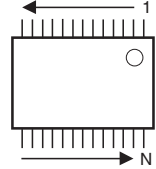
### TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

### IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

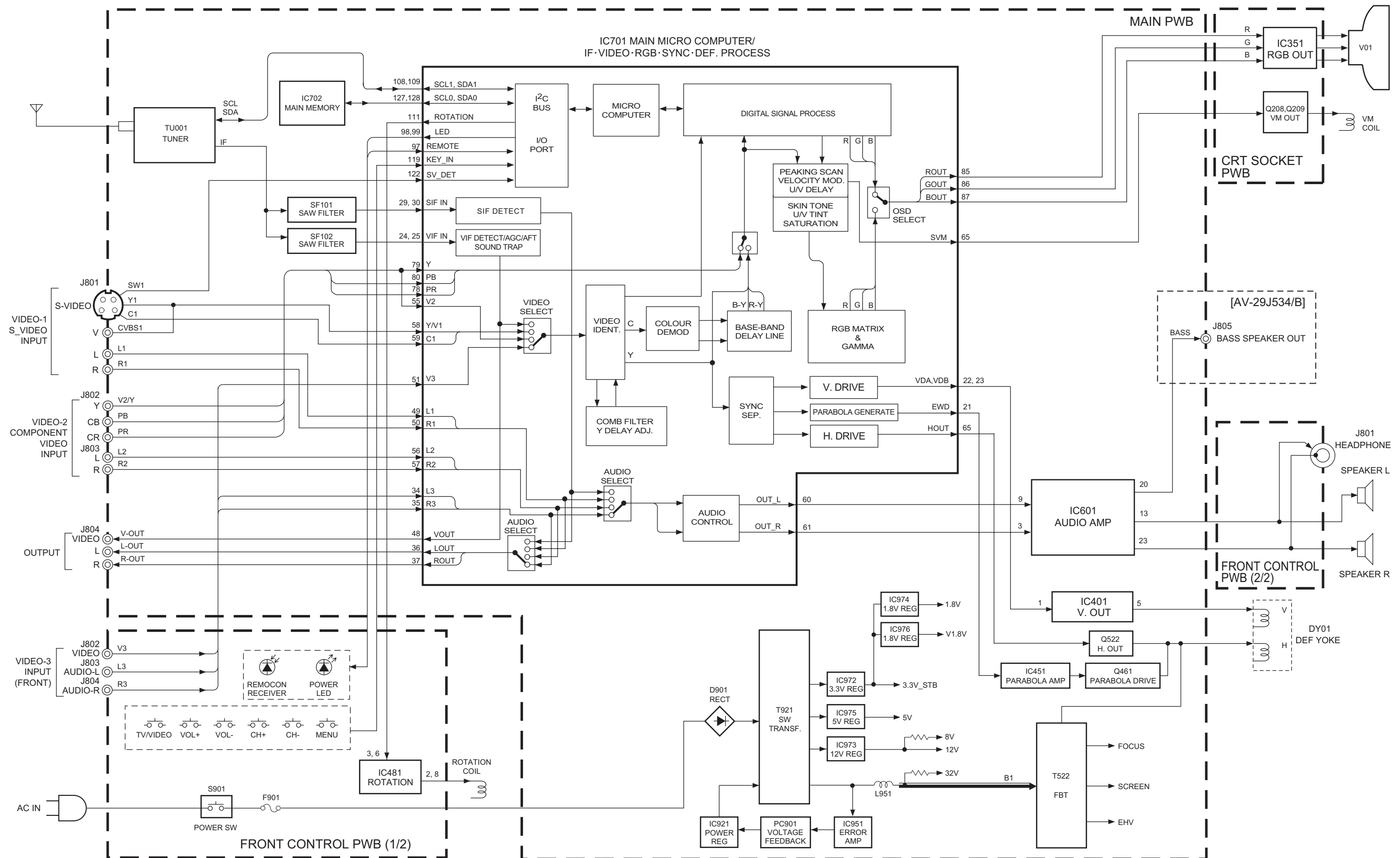
### CHIP IC

TOP VIEW		
		

## USING P.W. BOARD

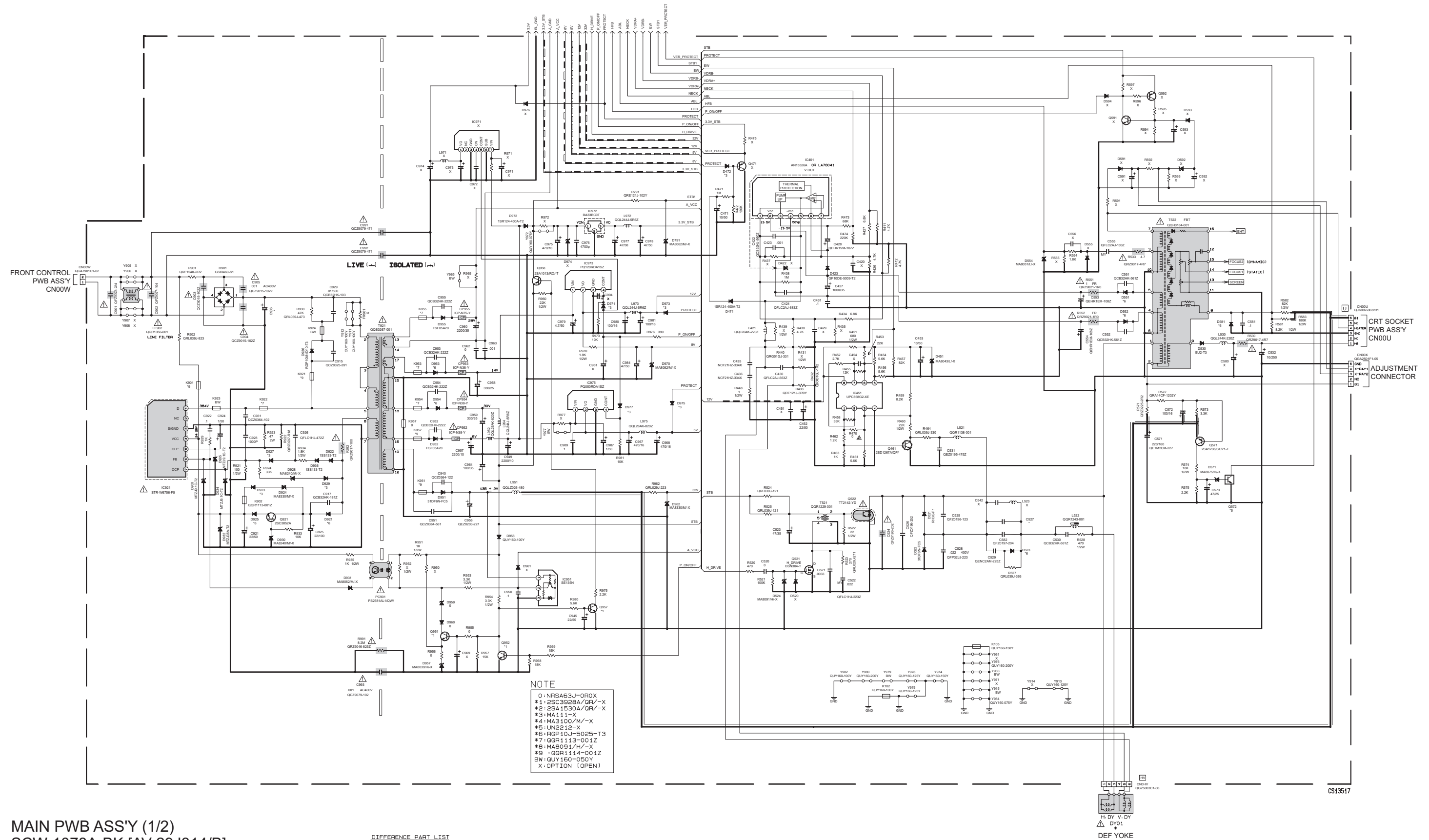
P.W. BOARD ASS'Y NAME	AV-29J314/B	AV-29J534/B
MAIN P.W. BOARD	SCW-1078A-BK	SCW-1080A-BK
CRT SOCKET P.W. BOARD	SCW-3008A-BK	←
FRONT CONTROL P.W. BOARD	SCW-8008A-BK	←

## BLOCK DIAGRAM





MAIN PWB CIRCUIT DIAGRAM [AV-29J314/B] (2/2)



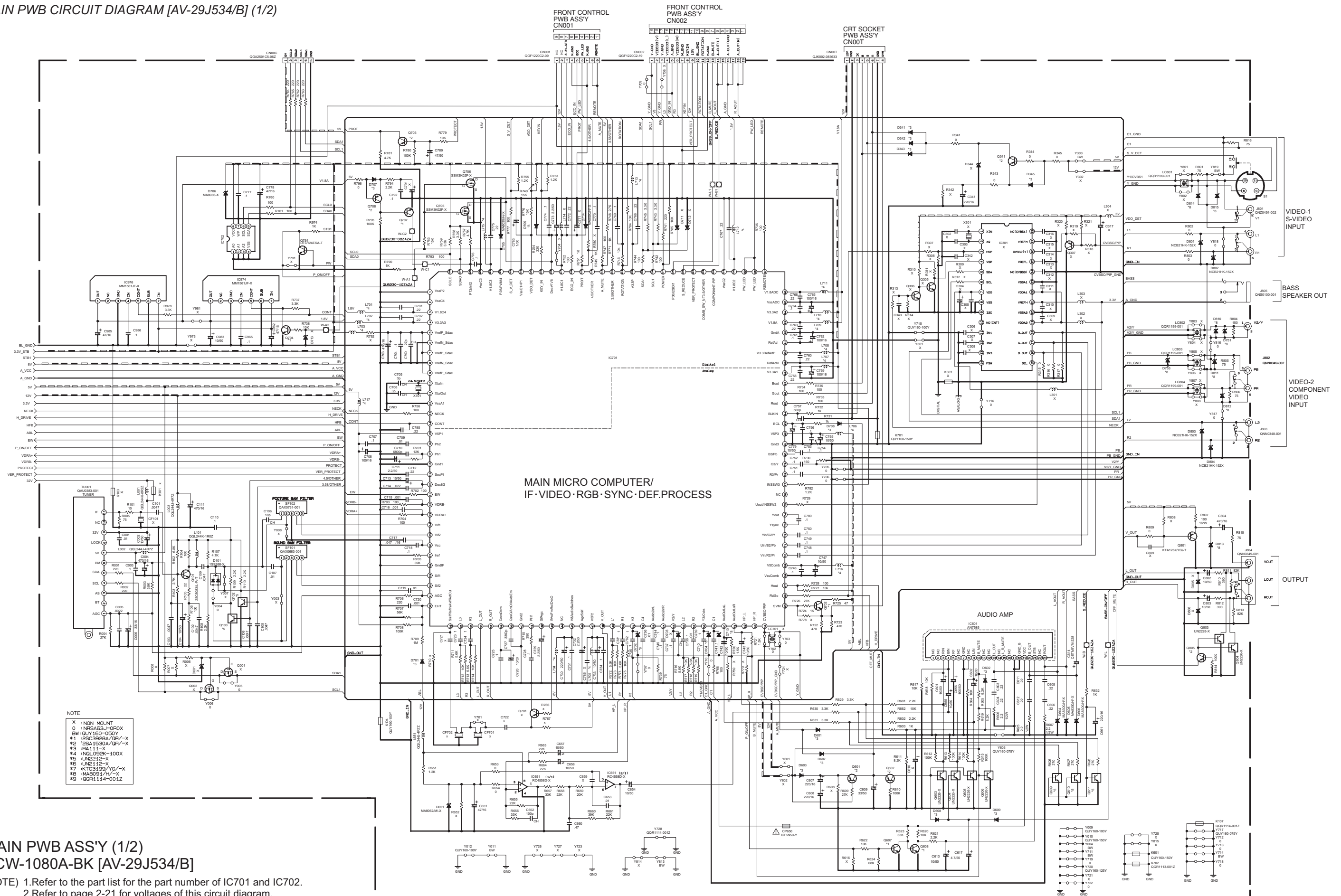
MAIN PWB ASS'Y (1/2)  
SCW-1078A-BK [AV-29J314/B]

NOTE) 1.Refer to page 2-21 for voltages of this circuit diagram.  
2.Refer to page 2-22 for waveforms of this circuit diagram.

[illegible]

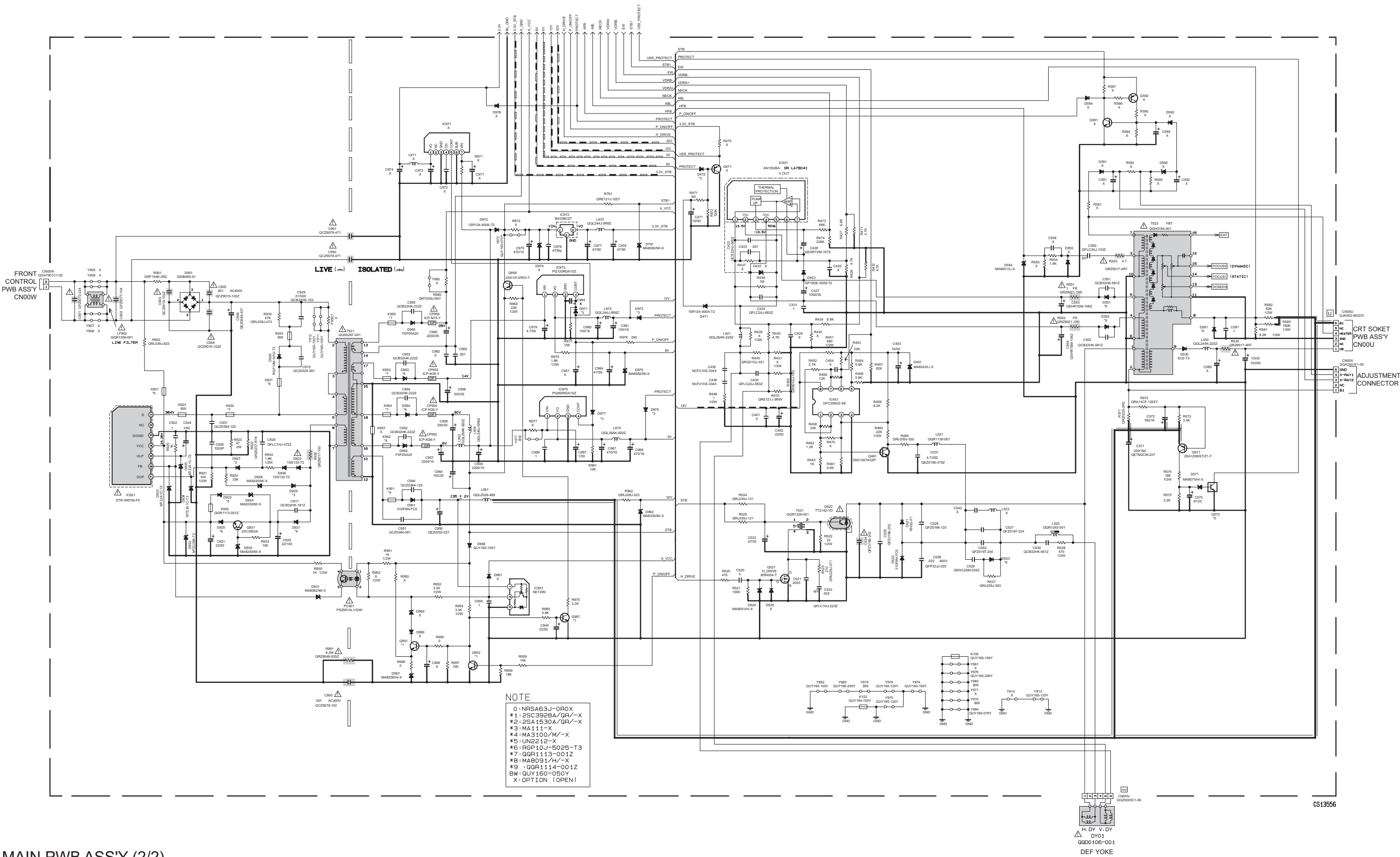


MAIN PWB CIRCUIT DIAGRAM [AV-29J534/B] (1/2)



CS13556

MAIN PWB CIRCUIT DIAGRAM [AV-29J534/B] (2/2)





**IC351 TDA6107AJF/N1 Pinout:**

Pin	Symbol	Value
1	Bin	
2	Gin	
3	Rin	
4	GND	
5	Ik	
6	VCC	
7	Ro	
8	Go	
9	Bo	

**NOTE:**

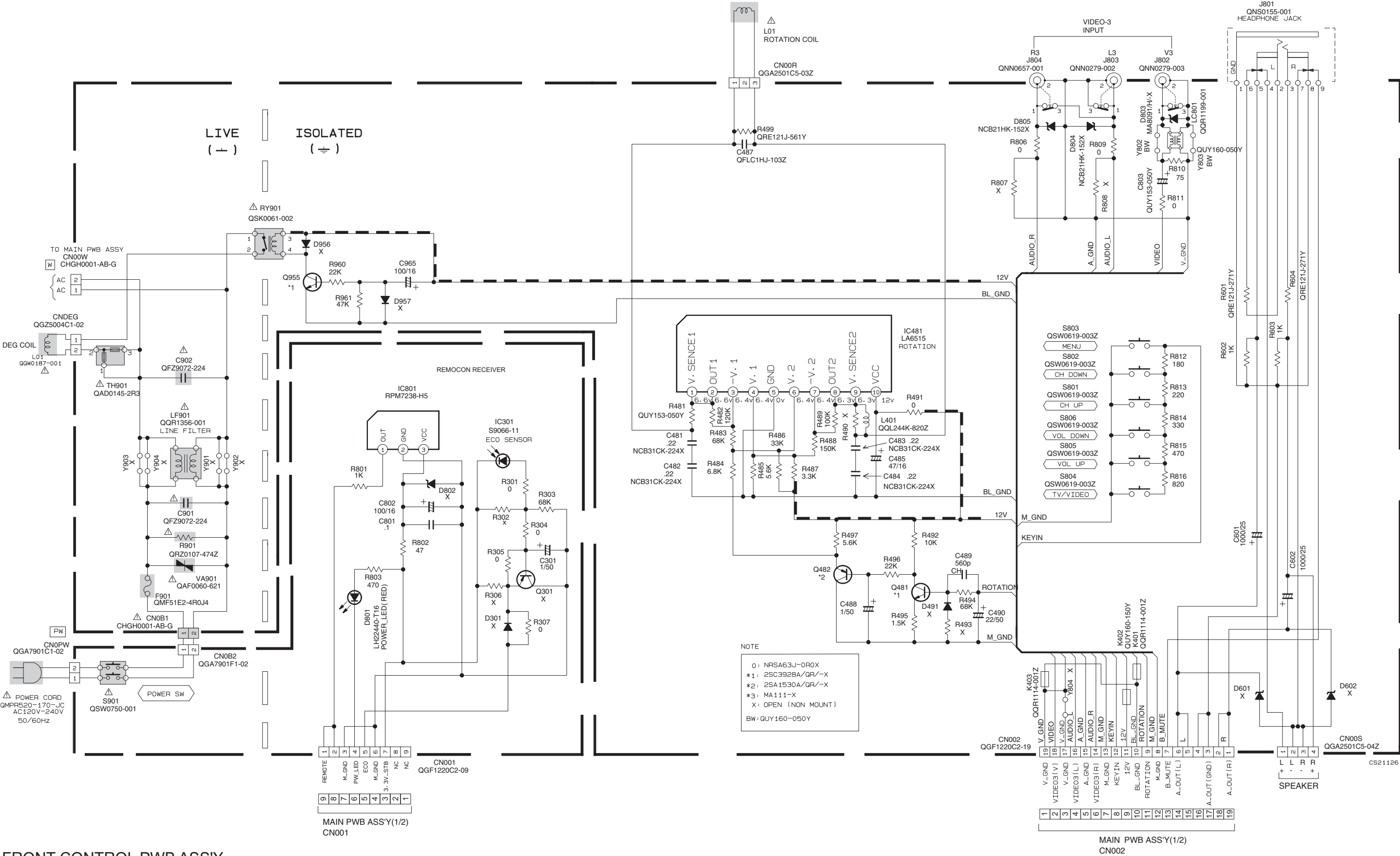
- X : OPTION (NON MOUNTED)
- BW : QUY160-050Y
- 0 : NRSAG3J-0R0X
- \*1 : 2SC3928A/QR/-X
- \*2 : 2SA1530A/QR/-X
- \*3 : MA111-X
- \*4 : MA3100/M/-X
- \*5 : UN2212-X
- \*6 : KTC3199/YG/-T
- \*7 : KTA1267/YG/-T
- \*8 : CE41492-001Z
- \*9 : PDEX04-003

**Key Components and Connections:**

- IC351 (TDA6107AJF/N1):** Central integrated circuit for video processing.
- Transistors:** Q202, Q203, Q204, Q205, Q206, Q207, Q208, Q209, Q210, Q211, Q212, Q213, Q214, Q215, Q216, Q217, Q218, Q219, Q220, Q221, Q222, Q223, Q224, Q225, Q226, Q227, Q228, Q229, Q230, Q231, Q232, Q233, Q234, Q235, Q236, Q237, Q238, Q239, Q240, Q241, Q242, Q243, Q244, Q245, Q246, Q247, Q248, Q249, Q250, Q251, Q252, Q253, Q254, Q255, Q256, Q257, Q258, Q259, Q260, Q261, Q262, Q263, Q264, Q265, Q266, Q267, Q268, Q269, Q270, Q271, Q272, Q273, Q274, Q275, Q276, Q277, Q278, Q279, Q280, Q281, Q282, Q283, Q284, Q285, Q286, Q287, Q288, Q289, Q290, Q291, Q292, Q293, Q294, Q295, Q296, Q297, Q298, Q299, Q300, Q301, Q302, Q303, Q304, Q305, Q306, Q307, Q308, Q309, Q310, Q311, Q312, Q313, Q314, Q315, Q316, Q317, Q318, Q319, Q320, Q321, Q322, Q323, Q324, Q325, Q326, Q327, Q328, Q329, Q330, Q331, Q332, Q333, Q334, Q335, Q336, Q337, Q338, Q339, Q340, Q341, Q342, Q343, Q344, Q345, Q346, Q347, Q348, Q349, Q350, Q351, Q352, Q353, Q354, Q355, Q356, Q357, Q358, Q359, Q360, Q361, Q362, Q363, Q364, Q365, Q366, Q367, Q368, Q369, Q370, Q371, Q372, Q373, Q374, Q375, Q376, Q377, Q378, Q379, Q380, Q381, Q382, Q383, Q384, Q385, Q386, Q387, Q388, Q389, Q390, Q391, Q392, Q393, Q394, Q395, Q396, Q397, Q398, Q399, Q400, Q401, Q402, Q403, Q404, Q405, Q406, Q407, Q408, Q409, Q410, Q411, Q412, Q413, Q414, Q415, Q416, Q417, Q418, Q419, Q420, Q421, Q422, Q423, Q424, Q425, Q426, Q427, Q428, Q429, Q430, Q431, Q432, Q433, Q434, Q435, Q436, Q437, Q438, Q439, Q440, Q441, Q442, Q443, Q444, Q445, Q446, Q447, Q448, Q449, Q450, Q451, Q452, Q453, Q454, Q455, Q456, Q457, Q458, Q459, Q460, Q461, Q462, Q463, Q464, Q465, Q466, Q467, Q468, Q469, Q470, Q471, Q472, Q473, Q474, Q475, Q476, Q477, Q478, Q479, Q480, Q481, Q482, Q483, Q484, Q485, Q486, Q487, Q488, Q489, Q490, Q491, Q492, Q493, Q494, Q495, Q496, Q497, Q498, Q499, Q500, Q501, Q502, Q503, Q504, Q505, Q506, Q507, Q508, Q509, Q510, Q511, Q512, Q513, Q514, Q515, Q516, Q517, Q518, Q519, Q520, Q521, Q522, Q523, Q524, Q525, Q526, Q527, Q528, Q529, Q530, Q531, Q532, Q533, Q534, Q535, Q536, Q537, Q538, Q539, Q540, Q541, Q542, Q543, Q544, Q545, Q546, Q547, Q548, Q549, Q550, Q551, Q552, Q553, Q554, Q555, Q556, Q557, Q558, Q559, Q560, Q561, Q562, Q563, Q564, Q565, Q566, Q567, Q568, Q569, Q570, Q571, Q572, Q573, Q574, Q575, Q576, Q577, Q578, Q579, Q580, Q581, Q582, Q583, Q584, Q585, Q586, Q587, Q588, Q589, Q590, Q591, Q592, Q593, Q594, Q595, Q596, Q597, Q598, Q599, Q600, Q601, Q602, Q603, Q604, Q605, Q606, Q607, Q608, Q609, Q610, Q611, Q612, Q613, Q614, Q615, Q616, Q617, Q618, Q619, Q620, Q621, Q622, Q623, Q624, Q625, Q626, Q627, Q628, Q629, Q630, Q631, Q632, Q633, Q634, Q635, Q636, Q637, Q638, Q639, Q640, Q641, Q642, Q643, Q644, Q645, Q646, Q647, Q648, Q649, Q650, Q651, Q652, Q653, Q654, Q655, Q656, Q657, Q658, Q659, Q660, Q661, Q662, Q663, Q664, Q665, Q666, Q667, Q668, Q669, Q670, Q671, Q672, Q673, Q674, Q675, Q676, Q677, Q678, Q679, Q680, Q681, Q682, Q683, Q684, Q685, Q686, Q687, Q688, Q689, Q690, Q691, Q692, Q693, Q694, Q695, Q696, Q697, Q698, Q699, Q700, Q701, Q702, Q703, Q704, Q705, Q706, Q707, Q708, Q709, Q710, Q711, Q712, Q713, Q714, Q715, Q716, Q717, Q718, Q719, Q720, Q721, Q722, Q723, Q724, Q725, Q726, Q727, Q728, Q729, Q730, Q731, Q732, Q733, Q734, Q735, Q736, Q737, Q738, Q739, Q740, Q741, Q742, Q743, Q744, Q745, Q746, Q747, Q748, Q749, Q750, Q751, Q752, Q753, Q754, Q755, Q756, Q757, Q758, Q759, Q760, Q761, Q762, Q763, Q764, Q765, Q766, Q767, Q768, Q769, Q770, Q771, Q772, Q773, Q774, Q775, Q776, Q777, Q778, Q779, Q780, Q781, Q782, Q783, Q784, Q785, Q786, Q787, Q788, Q789, Q790, Q791, Q792, Q793, Q794, Q795, Q796, Q797, Q798, Q799, Q800, Q801, Q802, Q803, Q804, Q805, Q806, Q807, Q808, Q809, Q810, Q811, Q812, Q813, Q814, Q815, Q816, Q817, Q818, Q819, Q820, Q821, Q822, Q823, Q824, Q825, Q826, Q827, Q828, Q829, Q830, Q831, Q832, Q833, Q834, Q835, Q836, Q837, Q838, Q839, Q840, Q841, Q842, Q843, Q844, Q845, Q846, Q847, Q848, Q849, Q850, Q851, Q852, Q853, Q854, Q855, Q856, Q857, Q858, Q859, Q860, Q861, Q862, Q863, Q864, Q865, Q866, Q867, Q868, Q869, Q870, Q871, Q872, Q873, Q874, Q875, Q876, Q877, Q878, Q879, Q880, Q881, Q882, Q883, Q884, Q

NOTE) 1.Refer to page 2-21 for voltages of this circuit diagram.  
2.Refer to page 2-22 for waveforms of this circuit diagram.

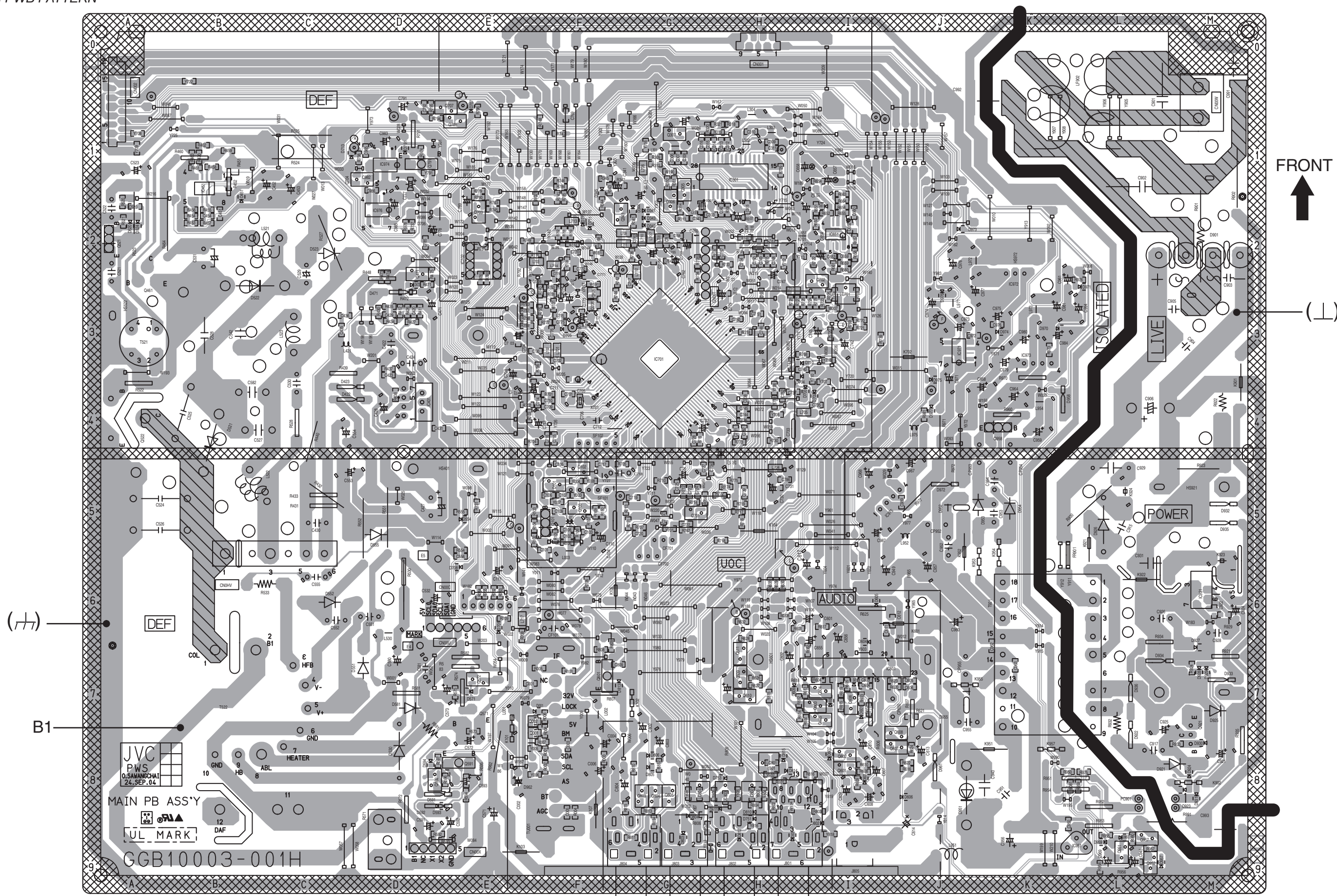
FRONT CONTROL PWB CIRCUIT DIAGRAM



FRONT CONTROL PWB ASS'Y  
SCW-8008A-BK

NOTE) 1.Refer to page 2-21 for voltages of this circuit diagram.

PATTERN DIAGRAMS  
MAIN PWB PATTERN





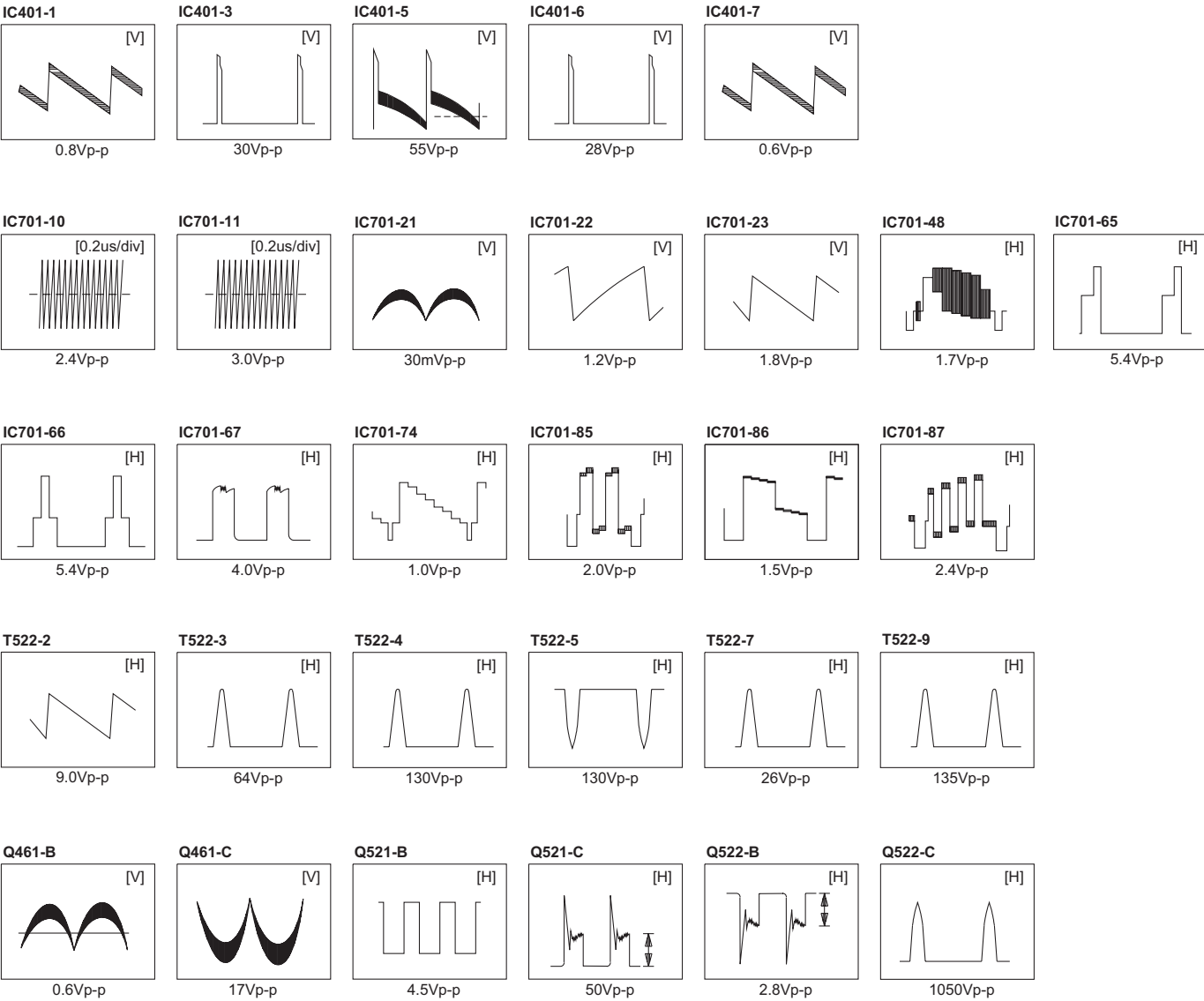


VOLTAGE CHARTS

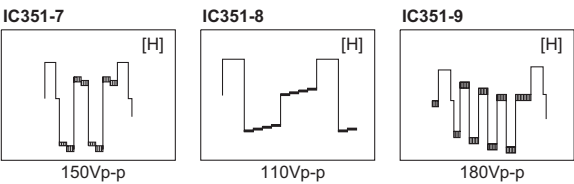
<MAIN PWB>		<CRT SOCKET PWB>		<FRONT CONTROL PWB>	
PIN NO.	VOLTAGE[V]	PIN NO.	VOLTAGE[V]	PIN NO.	VOLTAGE[V]
IC401		65	2.0	IC974	
1	0.5	66	0.3	1	0
2	13.8	67	1.6	2	0
3	-11.7	68	0	3	0
4	-13.3	69	4.9	4	0.5
5	0	70	1.3	5	2.9
6	14.1	71	1.4	6	0
7	0.6	72	1.3	7	3.2
IC451		73	1.9	IC976	
1	1.6	74	1.7	1	1.8
2	4.2	75	0.1	2	0
3	4.1	76	0	3	0
4	0	77	3.2	4	0.5
5	2.2	78	1.2	5	2.9
6	2.2	79	1.2	6	0
7	4.4	80	0	7	3.2
8	11.8	81	0	Q101	
IC601		82	4.9	E	2.1
1	0	83	2.3	C	11.6
2	0	84	3.7	B	2.9
3	31.0	85	1.9	Q102	
4	0	86	2.0	E	0
5	0	87	2.0	C	0
6	0	88	3.2	B	3.1
7	15.6	89	0	Q103	
8	0.6	90	3.2	E	0
9	0	91	1.5	C	0
10	32.4	92	0	B	3.1
11	19.1	93	1.8	Q461	
12	15.6	94	3.1	E	0
IC701		95	0	C	19.7
1	0	96	1.7	B	0.5
2	0	97	3.1	Q521	
3	1.7	98	0	E	0
4	3.2	99	0	C	0
5	3.2	100	1.8	B	1.6
6	0	101	0	Q522	
7	3.2	102	3.2	E	0
8	0	103	3.2	C	131.0
9	3.2	104	0.7	B	-0.1
10	1.6	105	0	Q571	
11	1.5	106	0	E	135.2
12	0	107	0	C	0
13	0	108	1.9	B	134.9
14	0	109	1.9	Q572	
15	0	110	3.2	E	0
16	1.9	111	1.6	C	3.2
17	0	112	3.2	B	0
18	0	113	0	Q601	
19	0	114	3.2	E	8.2
20	2.3	115	0	C	0.2
21	2.1	116	2.6	B	8.2
22	1.4	117	1.8	Q602	
23	1.4	118	1.8	E	0.2
24	1.9	119	3.2	C	-0.3
25	1.9	120	3.1	B	0
26	2.4	121	0	Q603	
27	2.0	122	3.2	E	0
28	0	123	0	C	0
29	1.9	124	1.8	B	-0.4
30	1.9	125	0	Q605	
31	2.0	126	3.2	E	0
32	1.8	127	3.1	C	0
33	0.6	128	3.1	B	-0.3
34	2.2	IC702		Q607	
35	2.1	1	0	E	0
36	0	2	0	C	0
37	3.5	3	0	B	0.6
38	2.3	4	0	Q608	
39	2.5	5	3.1	E	0
40	0	6	3.0	C	21.6
41	2.0	7	0	B	0
42	1.8	8	3.2	Q702	
43	2.0	IC921		E	1.3
44	0	1	297.5	C	4.7
45	8.3	3	0	B	2.0
46	0	4	19.9	Q703	
47	4.9	5	0.2	E	3.2
48	1.2	6	1.0	C	0
49	2.2	7	1.3	B	3.2
50	2.2	IC951		Q801	
51	1.4	1	135.3	E	1.9
52	1.6	2	24.9	C	0
53	2.2	3	0	B	1.2
54	2.2	IC972		Q803	
55	1.4	1	6.4	E	0
56	2.2	2	0	C	0
57	0	3	3.3	B	-0.4
58	0	IC973		Q804	
59	0	1	15.8	E	0
60	3.6	2	11.8	C	0
61	3.5	3	0	B	-0.5
62	3.6	4	2.8		
63	3.5				
64	0				

WAVEFORMS

-MAIN PWB-



-CRT SOCKET PWB-





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